INFORMATION STUDIES, UNIV. OF TORONTO
3 1761 05863088 0

UNIVERSITY OF TORONTO

DATE DUE

Apr 10, 2007	
Oct 31/13	

BRODART, CO. Cat. No. 23-221-003

Digitized by the Internet Archive
in 2013

http://archive.org/details/deweydecimal14dewe

From a Painting by Elizabeth Gowdy Baker

Melvil Dewey

DECIMAL CLASSIFICATION

AND

RELATIV INDEX

BY MELVIL DEWEY A M LL D

EDITION 14

REVISED AND ENLARGED

VOLUME I: TABLES

FOREST PRESS INC

LAKE PLACID CLUB ESSEX COUNTY N Y

1942

Decimal Clasification and Relativ Index

Copyryt by

Melvil Dewey
1876, 1885, 1911, 1913, 1915, 1919
Library Bureau
1888, 1891, 1894, 1899
Lake Placid Club Education Foundation
1922, 1927, 1932, 1942

Modifying D C numbers

Confuzion and annoyance to thousands of uzers cauzd by printing unauthorized variations force the publishers to insist strictly on ful copyryt protection. Every library and individual uzer has, however, entire freedom to make such variations as he thinks he needs, under the simpl restrictions found necesary to protect the ryts of others. See p. 35^2–38^1, Letter or simbol notations for chanjes or aditions.

Note on spelling of Ed 14

In response to the exprest sentiment of many D C users, the Decimal Classification Committee voted 16 May 1941 to adopt conventional spelling for the index of Ed 14. In deference to the lifelong convictions of the author, however, his statements regarding simpler spelling are reprinted in this edition without alteration. Statements regarding D C usage wil be understood, therefore, as applying to Tables and prefatory matter, but not to Index of Ed 14

EXPLANATION

This Clasification divides knowlej into 9 main clases numberd 1 to 9. Cyclopedias, periodicals etc. so jeneral as to belong to *no* one of these clases ar markt 0 (naught) and form a 10th clas. Each clas is similarly separated into 9 divisions, jeneral works belonging to *no* division having 0 in place of division number. Divisions ar similarly divided into 9 sections. This process is repeated as often as necesary. Thus 512 means clas 5 (Pure syence), division 1 (Mathematics), section 2 (Aljebra), and every aljebra is numberd 512.

Books on shelvs and cards in a clast catalog ar arranjed in simpl numeric order, all clas numbers being regarded as decimals. These Tables sho order of subjects. Thus 512 Aljebra follows 511 Arithmetic and precedes 513 Jeometry. Since each subject has a definit number, all books on any subject stand together.

Summaries 1st summary shows the 10 clases. 2d shows the 9 divisions of each clas, and is useful as a 1-paje birdseye view of whole skeme. Then follo 10 pajes, 1 for each clas, giving the 9 sections of each of its 9 divisions, and showing scope of the clas on a singl paje.

Tables These 3 summaries ar followd by ful Clasification Tables, which present in numeric order all clases, divisions, sections and subsections. Sinonimus terms, exampls, brief notes, dates and cachwords ar often aded to simpl heds to giv fuller and clearer idea of scope of each number. Therefore all references to numbers shud be lookt up in *ful Tables*, never in Summaries, which ar in effect a contents table of the ful Clasification.

Index After the Tables an alfabetic Index of all heds givn in Tables refers by clas number of each to its exact place in Tables. This Index includes also sinonims and many other entries likely to help a reader find his subject eazily. Even a uzer who knows just where to turn to his subject in Tables, may, by consulting the Index, be put on trak of valuabl allyd matter which he wud otherwize overlook.

Ful explanations Ilustrations and sugjestions for numerus applications of this sistem, and ful explanations of its nemonic and other important features ar givn in the Introduction on following pajes.

Supplementary tables Following the Relativ Index are 4 Supplementary tables giving lists of (1) subjects, with clas number of each, which may be subdivided geografically; (2) form divisions, which may be applied thruout the main Tables as needed; (3) languages, with their clas numbers, which may be further subdivided by adding figures given in Supplementary table 4; and literatures, with their clas numbers, which may be subdivided by adding numbers for literary forms as given under English literature; (4) philologic divisions, with figures to be added in subdividing any language in Supplementary table 3.

CONTENTS

	Page
EXPLANATION	1
FOREWORD TO EDITION 14	7–8
INTRODUCTION	9–48
Description	9–23
Orijin and growth	9–10
Extent of use	10–11
What is the sistem?	11
Notation	12
Best known decimal form	12
Relativ Subject Index	12–14
What Relativ Index includes	14
Explanation of tables	14–15
Coordination	16
New subjects	16
Choice and arranjement of heds	16
Sequence of allyd subjects	16
Cachtitles	16–17
Form distinctions	17
Minute clasing	17–18
Tentativ tables	18–19
Nemonics	19–20
Decimalism	20–21
Relativ location	21–23
Sizes on shelvs	23
Catalogs	23–24
Name catalog	23
Shelflist	23
Clast catalog	23–24
Dictionary catalog	24
Advantajes	24–27
Shelvs	24
Shelflist	24
Accession book	24–25
Pamflets	25
Sale duplicates	25
Charjing sistem	25
Subject references	25–26
Recataloging or reclasifying	26
Adaptability	26
Arabic numerals	26
Endowment of special departments	26–27
Summary	27

Page

Sugjestions to uzers 27–33
Numeration 27
Plan of Tables 27
Index 27–28
Familiarity with Clasification 28
How to find subject of book 28–29
Assyning clas numbers 29–31
Number of figures uzed in clas number 31
Bilding numbers 31–32
Book numbers 32–33
Variations practicabl 33–40
Cautions 34
Letter or simbol notations for chanjes or aditions . . 35–38
Fiction 35
Juvenils 35–36
Biografy 36
Paralel libraries 36–37
Combining languaj and literature 37
Reference library 37
Contractions for specialists 38
Alfabet or cronolojy for final subdivisions . . . 38–39
Broken order 39
Pro and con division of topics 39–40
Bibliografic modifications 40–43
Accretion syn + ... 41
Cupling syn – 41
Relation syn : 41–42
Form syn (0) 42
Universality syn ∞ 42
Place syn (3)–(9) 42
Languaj syn = ... 42
Time syn " " 42
Jeneral points of view syn oo 42
A to Z 42
Sequence of syns 43
Other uses 43–45
Bookstores 43
Offis files 43–44
Scrapbooks 44
Index rerums 44–45
Topical indexes 45
Separates 45–46
Aknowlejments 46–48
Future of D C 48

Page

SIMPLER SPELING REAZONS AND RULES 49–63

Reazons 49–56

Disgrace of present usaj 51

Criminal waste of money 51

skool time 51

Adling brains 51–52

English as world languaj 52–53

Disregard of pedants rules 53–54

Consistency 54

Conciseness 54–55

Can it be dun? 55–56

Rules 56–63

N E A 12 words 57

Simplifyd Speling Board 30 words 57

alfabetic rules 57–59

18 rules 59–60

Aded rules uzed in D C 60–61

U S Jeografic Board rules 62

Filolojists 10 joint rules 62–63

Sugjestions 63

INDEX TO INTRODUCTION AND SIMPLER SPELING 65–67

TABLES AND INDEX

Volume 1: Tables

First summary: the 10 main classes	1 page
Second " the 100 main divisions	1 "
Third " the 1000 sections	10 pages
Tables of subsections of General works	39 "
Philosophy	70 "
Religion	25 "
Social sciences	122 "
Philology	11 "
Pure science	111 "
Useful arts	270 "
Fine arts	164 "
Literature	48 "
History	184 "

Volume 2: Relativ Index

	Page
Explanatory note to the Relativ Index	1133–36
Abbreviations used in Index and Supplementary Tables	1136–38
Relativ Index	1139–1876
Table of topics divided geographically	1876–79
uniform subdivisions	1880–87
languages and literatures	1888–90
philologic divisions	1891–92
' Universal Decimal Classification ', Systematic Botany	1893–1927

FOREWORD TO EDITION 14

Dorkas Fellows died on October 10, 1938. She had been largely responsible for the memorial edition of the D C which was published in 1932. Her incapacity for service during her later years and her death, following that of Dr Melvil Dewey on December 26, 1931, brought to a close some of the policies and practices which had guided the revision of this monumental work.

The Lake Placid Club Education Foundation has always considered the D C an instrument of service to libraries, and to all persons interested in the organization and use of knowledge. It has not been a money making enterprise, tho it has, fortunately, received enough income to enable the work of revision to go on. In 1937 the Foundation desired to place the control of the work on a continuing basis involving not only its own membership but the Library profession. Accordingly, plans were devised for the creation of a new Committee to be in charge of the D C. That Committee, as then appointed, consisted of the following persons:

Milton James Ferguson, Chairman
Arthur E Bestor
Godfrey Dewey
T Harvey Ferris
Harriet D MacPherson
Ruth D McCollough
Margaret Mann
Deo B Colburn, Secretary

The professional members of the above Committee were nominees of the American Library Association; the others represent the Lake Placid Club Education Foundation. The Committee has remained without change except for the resignation of Miss Mann.

One of the early duties devolving upon the Committee was the selection of an editorial staff. Myron Warren Getchell has been continued in his former position as associate editor. Constantin J Mazney, formerly on the staff of the University of Michigan Library, was selected as editor. The staff has necessarily been kept at a minimum but has had the co-operation of librarians and especially of members of the staff of the Library of Congress.

The ideal the Committee has in mind is to produce a work which shall be of the utmost value to the Library profession, and to other classifiers of knowledge. The fourteenth edition cannot be called the final edition of the D C; a final edition will never be possible until men quit thinking and knowledge ceases to expand. It is the hope of the Committee, however, that this revision will prove to be acceptable to the profession, both through the extensions which have been incorporated and also through the reductions of sections which seemed to be needlessly elaborate. Certain supplementary tables which have lost their original importance or uses have been omitted in an effort to give the work greater cohesion.

Simpler or simplified spelling, a device which had the enthusiastic support of Dr Melvil Dewey, has been discarded in the Index, which had to be completely reset. Many plates have not been changed and could not be changed at this time without involving an expense beyond the power of the Committee to meet. In such tables the simplified spelling continues. Opinions rather widely expressed by librarians would seem to lead us to believe that standard spelling will facilitate the use of this publication. If such impression is in error, the Committee would be grateful for advice to the contrary.

The Committee looks forward to the publication at some future date of a so-called Library Standard Edition of the Decimal Classification. Much work must be done prior to its issuance. When it is published, it is contemplated that the entire work must be reset. At that time uniform spelling will, no doubt, be used thruout. The Library Standard Edition does not appear to be a possibility within the next several years.

It may not be appropriate to attempt a list of the expansions which this new edition of the D C presents, but the following notations will assist the enquirer: 301.15; 312; 325; 330–339 expanded to 38 pages; 355–359, 12 pages; 364–365, 10 pages; 659.1, 4 pages; 700–770, 147 pages; 931 and 951; and important expansions from 975 to 979. All in all we believe that Edition 14 of this work will prove itself to be a worthy and dependable successor of its predecessors.

The Committee considers this work a co-operative effort, published mainly for the benefit of the Library profession. It is grateful to the librarians who have helped make it what it is and earnestly solicits their continued interest and assistance. The hospitality of the Library of Congress, which houses the Decimal Classification Editorial Office, is gratefully acknowledged.

MILTON JAMES FERGUSON,
Chairman

March 11, 1942

INTRODUCTION

[1][Simpler spelings ar strongly recommended for jeneral adoption by both American and English filolojic associations, including nearly all prominent skolars in English now living.

The speling of this introduction has many more chanjes than we recommend for jeneral use at once. For convenient reference we hav included in 'Simpler speling reazons and rules' (p. 49–63) the famus 12 words adopted in 1898 by the National Education Association for all its official printing and correspondence, and adopted later by hundreds of periodicals, colejes and normal skools; also the 30 words, as a better tipical list with which to begin simpler speling; also the S S B rules, from which one shud select those which most appeal to him; also the 10 joint rules of American and English filolojists, and selections from rules of U S Geographic Board. From these one may choose chanjes he is willing to make, knowing how ampl authority is behind them. We recommend that each one convinst of the importance begin with a few of these chanjes, ading others from time to time as he and his correspondents becum familiar with the new forms. That it 'looks queer' is admittedly the only argument left to objectors. This introduction is speld to show how it wil look if practicaly all these recommendations ar uzed. Sum with specialy strong vizual prejudis wil hav attention distracted from the matter to the speling, but if with an open mind they wil try to concentrate on the meaning, they wil be surprized to find how quikly the new forms wil cease to annoy. Then if they continue reading them they wil soon be surprized to find that the old absurd common speling wil annoy. There ar comparativly few simpler spelings in Tables or Index but we decided to show in Introduction how extreme chanjes wud look]

Orijin and growth The plan of this Clasification and Index was developt erly in 1873, the result of long study of library economy as found in hundreds of books and pamflets, and in over 50 personal visits to libraries. This study convinst me that usefulness of libraries myt be greatly increast without aded expense. Only a fraction of the servis posibl cud be got from them without clasification, catalogs, indexes and other aids, to tel librarians and readers what they containd on any givn subject; yet, by methods then uzed, this cud be dun satisfactorily only at a cost so great as to be prohibitiv to all but a few welthy libraries. With rare exceptions, libraries wer growing rapidly. Catalogs, made at great cost, soon became antiquated. Methods uzed involvd frequent rearranjement, renumbering and remarking of books, and of necesity remaking of catalogs and indexes, as the only escape from a confuzion that seriusly cripld usefulness. In this costly repetition, work of previus librarians was larjly lost. The great need was a sistem which wud enable each to stand on the sholders of his predecessors, and fully utilize their labors; which wud make work dun today permanent, insted of sumthing to be superseded in so few years as not to be worth doing in the best way; which wud supply the best applyances, insted of leaving yung librarians not only to lern how to work, but to make all their own tools.

Practical use for 54 years proves that this sistem wil accomplish this result; for with its aid catalogs, shelflists, indexes and references, essential to this increast usefulness, can be made faster and cheaper than by any method not having its essential features, and, when dun, they ar better and vastly more permanent. Practical utility and economy ar its keynotes and no theoretic refinement has been allowd to modify the skeme, if it wud detract from usefulness or ad to cost.

[1] See note on spelling of Ed 14 on back of title-page

It was chiefly necesary to find a method that wud clas, arranje and index books and pamflets on shelvs, cards of a catalog, clippings and notes in scrapbooks and index rerums, references to all these items, and indeed any literary material in any form, as redily as an ordinary index gyds to proper paje of a bound book. This difficult problem was solvd by uzing no reference marks except the simplest simbols known to the human mind, arabic numerals with their uzual arithmetic values, and by aiding their unequald simplicity by many practical nemonic [mnemonic] devices.

Tho the importance of clasification was recognized, the filosofic sistems proposed wer so difficult fully to understand or apply that not 1 person in 1000 cud uze them practicaly. Decimal Clasification simplicity and even more its Relativ Index hav made this work 10-fold eazier. In recent years, use of the sistem has spred rapidly in all civilized cuntries, meeting success in thousands of different applications. In its simpl form a skoolboy can quikly master it and keep for instant reference not only his books but every note, clipping or pamflet. Almost every profession and occupation has lernd its wonderful laborsaving powers. It is in daily use by miriads of business and professional men who wud never even attempt to understand or uze the old sistems.

By mere adition of figures, without chanjing this shorter form, this very simpl sistem is redily made to record the utmost refinements of specialists, and the Relativ Index, as simpl as a, b, c, sends the novis to the exact place where the expert has clasifyd the matter sought. Thus 942 is history of England, and 942.99055 is history of County Pembroke in Wales, under Elizabeth, 5th of the Tudors. A colon between 2 numbers to mean ' in relation to ', and other combining simbols for time, languaj etc. make of the sistem a compact shorthand for each fact. (See p. 40^3–43^1.) But this brevity is les important than the eaz with which matter so markt can be arranjed (giving figures and decimal point their common arithmetic value), stored as compactly as wisht and found again in the least posibl time.

The sistem has been found equaly valuabl for cataloging, indexing, analyzing and summarizing, and for clasifying, numbering and arranjing books and pamflets on shelvs. For notes on other uses, see p. 43^2–45^8.

The 1st edition, publisht in 1876, 12 pajes of tables containing 1000 sections, was criticized as altogether too elaborate for even a larj library. As fast, however, as the Relativ Index with its remarkabl powers became known, the rapidly increasing uzers askt for further subdivisions, til Tables hav grown from 2600 entries in Index of 1876 to 43,000 in this edition 12, becauz it has been found so cazy to gain the admitted great advantajes of close clasification, and yet, by means of this Index, avoid the old difficulties.

Extent of use The rejister of libraries which hav actualy adopted it, tho growing rapidly, is incomplete. Libraries often uze the sistem for many years before we lern the fact. We rejister all byers of the Clasification, so far as known, but do not assume that a library has adopted the

sistem becauz it has orderd the book. A L A Bulletin, Sep. 1926, p. 167, estimates a use by about 14,000 libraries. There is also an immense use (for which not even approximate statistics can be furnisht) by individuals, with their private, business and professional colections of books, pamflets etc., and in their correspondence and notes files. The sistem has been adopted, not only thruout U S, but in other parts of North America, in South America, in many European cuntries, and, stil more distant, in Asia, Hawaii, Philippines, Java, Australia and Africa, and the Tables ar known to hav been translated, either wholy or in part, into French, German, Italian, Spanish, Portuguese, Norwegian, Russian, Hungarian, Bohemian, Chinese and Japanese.

The table below shows the growth of the 12 editions.

		Number of pajes					
Edition	Date	Preface, etc.	Tables	Index, etc.	Total	Increase	Copies printed
1	1876	12	12	18	42		1000
2	1885	66	162	86	314	272	500
3	1888	4	227	185	416	102	500
4	1891	41	234	191	466	50	1000
5	1894	"	235	"	467	1	2000
6	1899	"	260	210	511	44	7600
7	1911	48	420	324	792	281	2000
8	1913	"	462	340	850	58	2000
9	1915	"	465	342	856	6	3000
10	1919	"	517	374	940 [1]	84	4000
11	1922	61	551	376	988	48	5000
12	1927	67	683	491	1243	255	8000 [3]

What is the sistem? A Subject Clasification with a Relativ Index[2] so numberd or letterd that reference is compact, accurate and quik, is the essential feature; anything beyond this is merely applying this plan with varius helps and accessories. Any subject clasification with a *relativ* index in which the entry indexes a book in the ordinary way, and also indexes shelvs, cards, clippings or any other literary material, is a form of this sistem.

[1] Thru mistaken numbering printed as 936.

[2] Tho the author is interested only in the usefulness of the sistem, not in questions of priority of its invention, extended investigation by others fails to show that this most important feature of the sistem — the Relativ Index, on which all else hinjes — had ever before been uzed as here to index by a singl reference most diverse material. Relativ location had been uzed, but not in the present combination with the subject index, which givs it most of its value. The Clasification Tables, while adopting sugjestions from many sources, ar orijinal in their sistem of arranjement and notation, and in many minor features. The decimal form and many nemonic features hav not been found in erlier use, tho since their invention in 1873 these as wel as the Subject Index and other features hav been very frequently copid, often with, but oftener without, aknowlejment of their source. But we ar glad to find this sistem, which has cost so much labor, doing good servis even for those who neglect to mention where they found so valuabl a laborsaving literary tool.

[3] 1340 aditional copies printed in 1930; edition 13, 8000 copies — Editor

Notation We devized and experimented with several notations by means of numbers, letters, and combined numbers and letters, with bases of 26, 35, 50, 100 and 150, yet none seemd good enuf to warrant publishing details, except that here printed, based on simpl arabic numerals with their uzual decimal powers. International adoption of this sistem is larjly becauz no one ever complains that any clasification is too simpl, while there is constant complaint of complexity. Decimal simplicity has so commended itself that many think of it as the only form, tho obviusly it wud be just as much a 'relativ index sistem' if the clasification wer wholy markt by letters or other simbols.

The Subject Index is the simplest application of a, b, c, the simbols next in simplicity to 1, 2, 3. This use of the simplest 2 sets of simbols known, with their common meanings, has givn our notation its worldwide reputation as the simplest yet devized.

Best known decimal form Decimal form means simply that heds ar groupt and numberd with common arithmetic figures uzed decimaly. This, the only decimal form thus far carefuly elaborated and publisht, is commonly spoken of as if it wer the only posibl form of our orijinal plan; tho obviusly an infinit variety of 'relativ index sistems' in decimal form *cud* be made by filling the outline with different heds, or with the same heds in different order.

To make out new heds involvs labor and cost vastly beyond the dreams of any person who has not tryd exactly this work. Time actualy spent on tables here printed, by varius committees and individuals, totals hundreds of years and has cost an immense sum. Uniform and urjent advice of the experienst is to adopt a poorer skeme alredy made rather than undertake so herculean a labor. When dun, the maker may posibly be better suited with it, but few if any others wil be. It is wizer for anyone whose time is of value, to uze it in sumthing more practicaly useful to himself and his library than in trying to construct a 'satisfactory' skeme of clasification. No one yet ever wholy suited himself or anyone else, and probably no one ever wil. By adopting this alredy workt out he saves much time and money, and gains the immense advantaj of uzing a sistem in common with thousands of others, so that he may utilize their labors and investigations and share with them economics of cooperation.

Relativ Subject Index This alfabetic Index, the most important feature of the sistem, consists of hedings gatherd from a great variety of sources, as uzers of the sistem hav found them desirabl in 54 years experience. After all these efforts, many new heds ar aded in each new edition.

The Index gyds in both numbering and finding books. In assyning numbers, the most specific hed that wil contain the book having been determind, reference to that hed in Index givs proper clas number. Conversely, in finding books on any givn subject, reference to Index givs number under which they ar found on shelvs, in shelflist, or in clast catalog. When any new subject cums up, interline it and its sinonims in Index,

with clas number decided on, so clasifyer may be uniform with himself in future work.

The Index givs similar or sinonimus words, and the same words in different connections, so any intelijent person wil surely get the ryt number. A reader wishing to know sumthing of the tarif looks under T, and, at a glance, finds 337 as its number. This gyds him to shelvs, to all books and pamflets, to shelf catalog, to clast subject catalog on cards, to clast record of loans, and, in short, in simpl numeric order, thruout the whole library to *anything* bearing on his subject. If he turns to Tables, he sees that it means clas 3, Sociolojy; division 3, Economics; section 7, Protection and free trade; but the number alone is enuf to clas the book or find it, for either clasifyer or reader. If he had lookt under P for protection, or F for free trade, or D for duties, or C for customs, or under any other leading word relating to his subject, he wud hav been referd to 337, or sum one of its subdivisions.

Had he lookt for 'railroad' he wud hav found after it 22 separate entries, each preceded by a word or fraze indicating the faze of the subject in the skeme. A book on railroads may treat of the desirability of government ownership, control etc. and then is clearly a question of social syence; or it may be a practical handbook for an employee, explaining business methods of railroading, running trains, handling freight, etc. when it is as clearly one of the useful arts. The clasifyer knows to which of these heds his book belongs, and the reader knows in which of its fazes he wishes to examin the subject. Moreover, 3 and 6 beginning the numbers clearly indicate caracter of each clas. But even if significance of these figures is entirely disregarded, no confuzion results, for, on consulting the numbers in catalog, in skeme, or on shelvs the difference is clearly seen. In other cases, it is more useful to keep books on the same subject together, tho treated from different standpoints. A glance at the Index tels either reader or clasifyer which plan has been adopted.

All topics in blakface typ in Index ar further divided in Tables, where one may see the subheds. This saves reprinting all these subdivisions, which wud increase Index bulk many-fold; e. g. if one having a book on 'prison labor' looks in the Index for 'Convict labor' or 'Prison contracts', he finds at once its special number 331.51; but if, on the other hand he thinks to look only for jeneral subject 'Labor', he finds in blakface typ the entry 'Labor, political economy, 331', and turning to Tables he finds under 331 the subdivision '331.51, Convict labor', the exact topic in hand.

The greatest objection to a clast catalog has always been the difficulty in knowing just where to clas a book and just where to look for it when again wanted. Different librarians, or the same librarian at different times, clast the same or similar books in widely different places. Where one man did all the work for many years, there was a degree of uniformity; but even then there was danjer of looking at the same book at different

times from different viewpoints, thus cauzing confuzion. When the daily pres is ful of one faze of a subjcct, tendency is strong to clas all books on this subject from current viewpoint; and next year, if a different side of this same subject is before the public, therc is same tendency to clas books from new viewpoint, thcreby separating similar books and bringing togethcr books on different fazes. But fortunately, practical usefulness does not require that the ideas of this or that one be followd, but only that books of same caracter be always put in same placc, and that thcre be sum means of knowing redily what that place is. The Relativ Index, with its cachwords, was desynd and is found in use to meet both these requirements, for it insures that books on same faze of any subject cuming before the clasifyers shal be assynd to same place, and that any reader seeking these books shal be referd instantly to that place. If this is dun, all requirements of a good clasification ar fild. If it is not dun, the sistem is a failure; for the only real test of any skeme is its helpfulness to its uzers.

Sum prominent opponents of clast catalogs admit that the Relativ Subjcct Index, in deciding where to clas a book at first and where to look for it ever afterwards, has removed their strongest objections. Certainly it wud be imposibl to make an Index more compact or eazier of reference.

This Index allows a great part of the work of clasifying to be dun in advance by expcrts in larj central libraries with ampl resourccs, thus securing, at a mere fraction of uzual cost, better and more uniform results than wud be posibl to the ordinary clasifyer and reducing labor to much narrower limits than ever before.

To these thousands of subjects hav been carefuly assynd their individual numbers, many of them after long consideration and consultation with specialists. No one person is lerned enuf to clas wizely books on all subjects and syences; but botanists can assyn all botanic subjects to the ryt number, mathematicians all mathematical topics, and thus the Index wil in time becum as accurate as the best skolarship of the day can make it. Even if the decision reacht is not always wizest, all practical purposes ar servd, becauz, as cach clasifyer copies the number from same Index, all books on that subject ar together; and, as each reader gets his number from this same Index, he goes directly to the book he seeks.

What Relativ Index includes The Index, containing 43,000 entries and constantly bcing enlarjd by ading new subjects, aims to include all topics exprest or implyd in Tables, together with every corresponding sinonim likely to be sought, but does not include most names of cuntries, towns, animals, plants etc. except when mentiond in Tables; e. g. it can not cnumerate all species of trilobites, but when clasifyer has found from proper reference books that Remopleurides is a trilobite, the Index sends him to 565.393, and he can clas his monograf on that subject.

Tables The essential complement of the Subject Index is the Tables of Clasification, so mapt out as to show in 4 ways — i. e. by size of typ,

face of typ, indention, and number of figures prefixt — each subject's rank in the Clasification.

The field of knowlej is divided into 9 main clases, numberd 1 to 9, and cyclopedias, periodicals etc. so jeneral as to belong to *none* of these clases ar markt 0 (naught) and form a 10th clas; e. g. clas 1 is library of Filosofy; clas 5, library of Syence; clas 9, History, etc. These special clases or libraries ar then considerd independently, and each is separated again into 9 special divisions of the main subject, numberd 1 to 9, as wer the clases, jeneral works belonging to *no* division having 0 for their division number. Thus 59 is division 9 (Zoolojy) of clas 5 (Syence). A 3d division is then made by separating each of these divisions into 10 sections, numberd in same way with 0 and the 9 dijits; and this decimal subdivision is repeated, til it secures as many subsections as may be needed in any topic. Thus 513 is section 3 (Jeometry) of division 1 (Mathematics) of clas 5 (Pure syence). This number, giving clas, division, section and subsection, if any, is cald the clas number, and is applyd to every book and pamflet belonging to the library. All jeometries ar thus numberd 513, all mineralojies 549, and so thruout the library all books on any givn subject bear the number of that subject in this skeme.

Where 0 occurs before the decimal point in a clas number, it has its normal zero value. Thus a book numberd 510 is clas 5, division 1, but *no* section; i. e. treats of division 51 (Mathematics) in jeneral, and is limited to no 1 section, as is jeometry, markt 513. 500 indicates a treatis on syence in jeneral, limited to no division. 0 occurring in the 1st place wud in the same way show that the book was limited to no clas; e. g. a jeneral cyclopedia which treats of all 9 clases.

With the same 'jeneral' sense, 0 is often uzed to indicate chanje in caracter of subdivision, meaning in this case 'basis of subdivision chanjes at this point', i. e. figure (or figures) following 0 apply to what precedes *in jeneral*, e. g. 505 indicates syence in *jeneral* treated in the form of a periodical. In history, clasification is by cuntries (i. e. *jeografic*) and as minute jeografic divisions ar needed for travels, gyd books, and varius other uses, the figures 1–9 ar jeneraly uzed for jeografic subdivisions and again for further jeografic subdivisions, as far as needed, and 0 followd by another figure for time division, i. e. the figures before the 0 indicate the locality as a whole, while figures after the 0 indicate the special time at which the history of the locality is being considerd; e. g. 942.06, consisting of 942 (*jeografic* division) and 06 (*time* division), means history of England in *jeneral* in time of the Stuarts, while 942.6 and 942.67 mean respectivly history of eastern England and history of Essex co., to which the same time division may be aded, giving 942.606 and 942.6706 as the history of those localities under the Stuarts. As any subdivision may, by ading figures 1–9, be givn 9 further subdivisions, any desired degree of minuteness may be secured in clasing special subjects.

First subdivision under many rubrics is used for General and theoretic questions to provide for such specific topics as ar common to all or most of the principal subdivisions of a relativly broad subject.

Coordination Theoreticly division of every subject into just 9 parts is absurd. Practicaly it is desirabl to clas as minutely as posibl, without use of aded figures; and decimals, on which our skeme hinjes, allow 9 divisions as redily as fewer. This has proved wholy satisfactory in practis, tho apparently destroying proper coordination in sum places.

Where more than 9 divisions ar needed the difficulty is commonly obviated by grouping on singl numbers the subjects most closely allyd, or by assyning 1–8 specificly to most important subjects and grouping minor subjects on 9 as 'Other.' Since any of these groups may be further subdivided for specific topics as needed, provision is thus made for an unlimited number of subjects.

As in every skeme, many minor subjects ar under jeneral heds to which they do not strictly belong. In sum cases, these heds ar printed in distinctiv typ; c. g. 829 Anglo-Saxon, under English literature. The rule has been to assyn these subjects to the most nearly allyd heds, or where it was tho't they wud be most useful. The only alternativ was to omit them altogether. If any such omission occurs, it wil be supplyd as soon as discoverd, for we intend to provide in the Tables a place for every known topic.

New subjects A new topic is always closely related to sum existing hed. If there is no blank number availabl it is combined with the hed nearest allyd, and, when important enuf, distinct provision for the new cumr is made by ading another decimal. The sistem is thus capabl of unlimited expansion, and can never break down for lak of room for growth.

Choice and arranjement of heds Detaild explanation of selection and arranjement of the many thousand heds wud be tedius; but everywhere filosofic theory and accuracy hav yielded to practical usefulness. The imposibility of making a satisfactory clasification of all knowlej as preservd in books, has been appreciated from the first, and theoretic harmony and exactness hav been repeatedly sacrificed to practical requirements.

Sequence of allyd subjects Wherever practicabl, heds hav been so arranjed that each subject is preceded and followd by most nearly allyd subjects, and thus aded convenience is secured both in clast catalogs and on shelvs; e. g. Bilding (690) follows Mekanic trades (680) at end of Useful arts, and Arkitecture follows at beginning of Fine arts.

Students of Biolojy (570) find fossil life or Paleontolojy (560) before, and vejetabl life or Botany (580) after, this followd in turn by animal life or Zoolojy (590), ending with Mammals (599); while Useful arts (600) begin with human Anatomy (611) under Medicin, thus giving a regular growth from fossil plant thru vejetabl and animal kingdoms to living man.

Cachtitles In naming hedings, strict accuracy has often been sacrificed to brevity, for short familiar titles ar more important than that terms chosen shud express fully and exactly caracter of all books clast under them. Many subjects, apparently omitted, wil be found in the Index,

assynd, with allyd subjects, to a hed which bears the name of the most important only. Reference to the Index wil decide at once most doutful points.

Form distinctions The clasification is mainly by *subject* or *content* regardless of form (see p. 29[3]) but an aded form distinction for jeneral treatises is found practicaly useful.

Thus, in Syence there ar many compends, dictionaries, essays, periodicals and socyeties, treating of Syence in jeneral, and so having 0 for the division figure, but treating it under different forms, and therefore divided into sections according to this form: 501 for filosofy or theories of Syence, 502 for compends, 503 for dictionaries, etc. This treatment is as nearly as practicabl, uniform in all clases. Creasy's '15 decisiv battles' is 904, the 1st figure being 9, becauz the book is clearly history; the 2d figure 0, becauz limited to *no* division of clas 9; and the 3d figure 4, becauz the book is a colection of essays.

The 10 main clases ar regularly divided by form, e. g. 809, history of literature in jeneral. For divisions, sections or subsections having *enuf* jeneral material to make such division advizabl, form numbers, preceded by 0, may be uzed (e. g. 820.9, history of English literature; 821.09, history of English poetry), except when 0 and the following number hav been otherwize assynd, e. g. 821.04 English liric poetry, *not* essays on English poetry; 942.05 England in time of the Tudors, *not* a periodical on English history. A history of English literature is 820.9, not 809, becauz every book belongs to the *most specific hed* that wil contain it; so 809 is limited to histories of literature in jeneral. Books treating of many clases, such as jeneral cyclopedias or periodicals, go in clas 0 and ar then divided by form into cyclopedias, periodicals, socyeties or newspapers.

Do not confuze form number 07, meaning 'methods of study or teaching', with number for same subject under 375, which is for its value as a means of education, or for its curiculum place.

These form distinctions ar introduced at the beginning of the clas becauz the number of jeneral works is larj, and these 1st numerals wud otherwize be unuzed.

Form divisions always hav the same set of numbers, preceded by 0, i.e. 1 filosofy, theories etc.; 2 compends, outlines; 3 dictionaries, cyclopedias; 4 essays, lectures, letters etc.; 5 periodicals, magazines etc.; 6 socyeties, associations, transactions, reports etc.; 7 education, study, teaching, training etc.; 8 poligrafy, colections etc.; 9 history. Thus a periodical on a subject has the subject number followd by 05; e. g. a periodical on public helth, 614.05.

But if the number alredy ends in 0, 0 is not repeated before form-division figures; e. g. a zoolojic magazine is 590.5, not 590.05.

Minute clasing On first publication in 1876, a common criticizm was that 1000 heds cud never be successfuly uzed, however desirabl so close clasification myt be. As soon, however, as actual experience proved it as

eazy to uze 1000 heds in the new sistem as 100 in the old, the obviusly great practical value of close clasing led one uzer after another to urj strongly publication of more subdivisions. Minute as ar many now givn there ar none that sum hav not askt for and almost none that others hav not declared needless. Subdivisions ar made in such a way that one may uze all, or any part and ignore the rest without difficulty or confuzion, thus allowing each to uze minute subdivisions where he wishes or needs them, without being forst into refinements in subjects where he has few books or litl interest. Since the degree to which any skeme shal be applyd is optional with each clasifyer and close analisis is useful to everyone in defining content or in clarifying differences between related subjects, even elaborate skemes ar printed in ful if no essential objection has been bro't against them by the best qualifyd critics. The 1st 3 figures only may be uzed when preferd, and the rest show the scope of the subject. On many topics minute subsections ar printed simply for this purpose, and for use in indexing periodicals and socyety transactions, and in keeping notes. Note typ is uzed for topics clearly useful only to specialists or as showing scope. Many others probably belonging in same category, if doutful ar in regular typ of their grade.

The advantaj of close clasing is unquestiond, if the uzer knows just what it is. With this plan it is not only practicabl, but comparativly eazy. If there ar only 10 books on a givn topic, it is useful to hav them in groups amung themselvs, for otherwize they wud hav only accidental order, which is of servis to no one. A reader wishing a specific book shud go, not to shelvs, but to catalog, where he can find its place quickest. If he wishes a specific subject, he is sent instantly to its exact place by the Subject Index. If he wishes to study the library's resources at the shelvs, he wil be *greatly helpt by minute clasing*. A teacher showing his pupil the material on any subject wud, if there wer only 20 books, surely *put together* those covering same points, even if there wer only 2. Much more shud librarians group closely their greater colections, that readers may gain sumthing of the advantajes of an experienst gyd.

Thus every specialist has his own special library. If a student of syence in jeneral, he is sent to clas 5; if his department is zoolojy, his library is 59; if his specialty is shels, he finds all works and references on that subject in library 594. Whether a specialist needs it or not, every subject, being a library by itself, shows resources and wants as no catalog can. A catalog can not be made to take satisfactorily the place of handling books themselvs. This advantaj weighs most in a colej or socyety library, where many go to the shelvs; but even if only librarians ar admitted, close clasing is worth its cost becauz of aded power givn.

Tentativ tables More and more minute subdivisions hav been specialy cald for til the 1000 heds of 1873, with 2600 index entries in edition 1,

hav increast til they command 43,000 index entries, in edition 12. After getting many sugjestions, sumtimes hundreds, for aditions or further subdivisions of sum subject, we draft a skeme and test it on a sampl colection. To get larjer cooperation in perfecting it we sumtimes print the new draft in Tables without including its new words in Index, so every uzer wil see what is proposed and if interested may test it on his own work and submit sugjestions for improvement. Then in the next edition, with this great help, needed revisions can be made and all new words inserted in Index.

As result of agreement between Institut International de Bibliographie and ourselvs (see p. 40) we hav included in edition 12 many I I B expansions, while sum other expansions recently prepared by us hav not yet, for lak of time, been submitted to I I B and must therefore, strictly speaking, be regarded as tentativ til accepted by that body, but as these expansions wer developt with view to such acceptance we look for litl chanje, and their larj number has made it impractical to designate them.

Nemonics [mnemonics] Heds hav sumtimes been arranjed to secure nemonic aid in numbering and finding books without the Index; thus China has always number 1. In Ancient history, it has the 1st section, 931; in Modern history, under Asia, it has 951. Similarly the Indian number is 4; English, 2; German, 3; French, 4; Italian, 5; Spanish, 6; Russian, 7; European, 4; Asian, 5; African, 6; North American, 7; South American, 8; and so for all divisions by languajes or cuntries. Italian 5, for instance, is in 035, 055, 065, 450, 850, 945, and many others. This nemonic principl is specialy prominent in Filolojy and Literature, and their divisions, and in *form* distinctions uzed in the 1st 9 sections of each clas. Filosofy, methods or theory, occurring as a hed, is always 1; dictionaries and cyclopedias ar 3; essays, 4; periodicals, 5; associations, socyeties and institutions, 6; education, 7; poligrafy or colections, 8; history, 9. In numerus cases several minor heds ar groupt together as Other, uzualy numberd 9.

While Italian is always 5, 5 is by no means always Italian. Grammar is 5, Periodicals ar 5, Asia is 5, Oratory is 5, etc. Even wer it posibl, to limit 5 to Italian wud waste numbering material, and results wud not justify cost. The purpose is to giv practical aid, not to follow fanciful theory. A clasifyer marking a French grammar, remembers that all Filolojy begins with 4, and, as French is always 4 and grammar 5, he knows the number *must* be 445. Italian (5), poetry (1), is plainly 851 with no danjer of being mistaken for ' poetry of grammar ' or ' theory of Asia,' becauz the numbers also hav those meanings. This feature is an *aid*, not regular method; and in all doutful cases one refers at once to Index or Tables. Sugjested difficulties ar uzualy creations of injenius theorists and not outgrowth of practical experience.

Wherever practical, this nemonic principl is uzed in subdividing sections. 558, Jeolojy of South America, is subdivided by ading the *sections*

of 980, History of South America. Jeolojy of Brazil then *must* be 558.1: nemonicly, the 1st 5 is Syence; 2d 5, Jeolojy; 8, South America; and 1, Brazil. Any library attendant or regular uzer of the skeme recognizes 558.1 at a glance as Jeolojy of Brazil. This nemonic feature occurs in several hundred places, and is of great practical utility in numbering and finding books without catalog or index, and in determining caracter of any book simply from its call number. Extent of use is shown in 5 tables appended to main Index, giving alfabetic lists of (1) subjects, with clas number of each, which may be subdivided jeograficly; (2) form divisions, with figures to be aded in making such division; (3) languajes, with their clas numbers, which may be further subdivided filolojicly by ading figures givn in Index table 4; (4) filolojic divisions, with figures to be aded in subdividing any languaj in Index table 3; (5) literatures, with their clas numbers, which may be further subdivided by ading form divisions from English literature.

As in close subdivision, wish for nemonic correspondence has never outweighd any claim of greater usefulness. In many cases choice between numbers was hardly perceptibl: e. g. whether in filolojy order shud be French, Spanish, Italian, or French, Italian, Spanish. In such cases nemonic numbers wer givn preference, and 54 years use has proved this wizest. Great gain, beside eaz of remembering, results from this *uniform* use of same numbers with same meaning whenever similar division is made. Wherever division by languajes or cuntries is made, it follows filolojy or history numbers, and in Tables, the note 'Divided like 900' fully takes the place of reprinting all history subdivisions. This saving justifys use of these numbers in sum cases, even where a sumwhat different order myt seem more nearly fitted to the special case; e. g. in 342, constitutional history of Canada (342.71) and Australia (342.94) next that of England (342.42) wud be better than our order, which separates them both from England and from each other. Stil by following the uzual 'procrustean' numbers, many topics can be subdivided minutely without further study, by simply applying history or languaj subdivisions. A singl ilustration of the astonishing power this principl givs wil suffice, tho thousands myt be givn: 016 is 'Bibliografy of special subjects, divided like main clasification', therefore by aid of tables under 581, 016.581974742 redily translates itself to all uzers into 'Bibliografy of flora of Albany co., N Y'. While these 12 figures myt never be uzed, if a specialist wishes minute division, it is redy to his hand, conforms to Index, and wil be clearly understood by anyone familiar with our plan. A specialist wud in such cases probably adopt a contraction for his long number, and uze in ful only the minute divisions. See p. 38[2] for such contractions.

Decimalism Utility has not been sacrificed in order to force subjects on the 'decimal procrustean bed'. *Decimals hav been uzed as servants, not as masters.* When subjects ar combined or separated into just

10 heds, it has been from no necesity of the skeme, but becauz it seemd most useful, all things considerd. In many cases there wer orijinaly only 3 to 7 heds insted of 10; but uzualy, during years of testing before publication, it proved advizabl to divide sum of these heds, as it took no aded space or labor. On the other hand, there wer cases where more than 10 heds seemd more natural; and, as any number up to 100 is provided for by ading one decimal, this was dun in most cases. As only 1000 sections wer first printed, it was often necesary to put 2 or more closely allyd topics together under the same number, as must stil be dun whenever a library limits number of figures uzed to 3; but during 54 years use subdivisions hav multiplyd, til now nearly every topic has its own special number. The skeme givs us for each topic, as it wer, a case of 9 pijeonholes, with a larj space at the top; and we uze them as every practical business man uzes such pijeonholes about his desk. If, as in 220, there ar les than 9 main topics, it is often convenient to uze the extra spaces for subdivisions. Thus we keep separate, under Old Testament, historic, poetic, and profetic books; and under New Testament, the Gospels, Epistls and Apocalips. Spaces ar there, and it is convenient to uze them for jeneral works on those groups — a reason that experience proves a good anser to the charj of lak of coordination, tho indention and typ in Tables make that charj baseless. Then in 280, having more than 9 topics, if we ar uzing only 3 figures we put Congregational in same space with Presbyterian, and small denominations together in the last box, just as a business man puts his papers in his pijeonholes. If he insisted on having a different case made to order for each use, it wud cost over twice as much; he cud not group them together or interchanje them, and they wud not fit offis shelvs.

There has been perverse misapprehension of this feature, and critics oftenest stumbl over 'procrustean 10'. In fact, this is an element of usefulness. A railroad also has the fault that it is procrustean in its path and in its times. It can not cum to yur door nor wait yur convenience, as does the automobile; it can not go to the fields for its loads of produce; it can not turn out for obstacls; but *becauz it is procrustean* it can do its larj-scale work much better and quicker and cheaper. The paralel cud be fairly extended to many other cases, but any tho'tful mind wil recognize that the economy and eaz of working the Decimal sistem ar larjly dependent on its being procrustean. To this we owe much of the great simplicity of the Relativ Index, many nemonic correspondences, and the useful 0 to indicate form and period divisions. Our intersecting lines of space and time in History, etc., of languaj and form in Filolojy and Literature, and scores of similar advantajes, depend wholy on 'procrustean 10', or else on sum other number equaly procrustean, but lacking the advantajes of exact correspondence to our arithmetic.

Relativ location Economy and simplicity cald not only for the Subject Index, but also for sum plan of consolidating the 2 sets of marks

previusly uzed; one teling *what* subject a book treated, the other *where* the book was shelvd. By relativ location and decimal clas numbers we make our simpl arabic numerals tel of each book and pamflet, both *what* it is, and *where* it is.

In fixt relation, to find book, pamflet, clipping or note is like finding a man when yu know his town, street, hous and room.

In relativ location it is like finding a soldier if yu know his army, division, rejiment and cumpany. If John Smith is 3d man in 2d row of Cumpany B, rejiment 69, 4th division, whether the rejiment is in camp, on parade or on march, his place is not determind by the bit of ground on which he stands, but by his relation to the rest of the army. If soldiers ar ded and in the cemetery they ar as eazily found by fixt as by relativ location. But if the army is alive and militant, as every library or private working colection o't to be, its resources shud be *findabl* whether in camp, on march or in action.

In arranjing books on shelvs, the formerly common absolute or fixt location by shelf and book number is wholy abandond, relativ location by clas and book number being our chief feature. Accumpanying clas number is the book number, which prevents confuzion of different books on the same subject.[1] In finding books, numbers markt on baks ar followd, the upper being the clas and the lower the book number. Clas is found in its numeric order amung clases, just as shelf is found in fixt sistems. Shelvs ar not numberd, as increasing different departments, opening new rooms, and any arranjing of clases to bring books most circulated nearest delivery desk, wil at different times bring different clas numbers on any givn shelf. New books, as recievd, ar numberd and put in place, in same way that new titles ar aded to card catalog.

Thus all books on any givn subject stand together, and no aditions or chanjes ever separate them. Not only ar found together all books on subject sought, but most nearly allyd subjects precede and follow, they in turn being preceded and followd by other allyd subjects as far as practicabl. Readers not having access to shelvs find short titles arranjed in same order in shelflist, and ful titles, imprints, aded subject entries, references, notes etc. in clast catalog.

Parts of sets, and books on same or allyd subjects, ar never separated as they ar sure to be, sooner or later, in a library arranjed on fixt plan, unless it be frequently rearranjed and recatalogd, a procedure too expensiv even for very welthy libraries. Relativ sistem clas and book numbers remain unchanjed thru all chanjes of shelving, bildings or order of clases.

Amung hundreds of points raizd by librarians as to its practical workings and usefulness, the only one in which it was not shown to be equal or superior to erlier sistems was that in this relativ location a book which this year

[1] For sugjestions regarding best forms of book numbers see p. 32[5]–33[7].

stands, e. g. at the end of a certain shelf, may not be on that shelf at all another year, becauz of uneven growth of parts of the library. This slyt objection, however, inheres in any sistem where books ar arranjed by subjects, rather than by shelvs, windows, doors, and similar non-intelectual distinctions.

Sizes on shelvs Most libraries hav abandond close distinction of sizes. It is true that this distinction saves a litl space, but at far too great a cost; for every distinction of sizes makes a paralel clasification. If books ar groupt in 5 sizes, one must look in 5 places before he can be sure of having seen them all.

It is better to shelv octavos and all smaller books together in 1 series, and arranje in paralel libraries only quartos and folios, which ar too larj to stand on regular shelvs, showing series in which any oversize book is put by a size letter prefixt to the book or clas number; e. g. 749 qA or q749 A shows that book A on Artistic furniture is too larj for regular shelvs, and so is placed in q or quarto series. Or uze a wood or pasteboard dummy to show location of a book not in its regular place. But, however solvd, size problems ar no more trublsum with Decimal than with any other clasification.

Catalogs

Any sistem of catalogs may be uzed with this skeme, but the 2 essentials of even the simplest sistem ar name or author catalog and shelflist. The chief uses of this sistem for catalogs ar for shelflists and for clast catalogs on cards.

Name catalog In this, arranjed strictly by names of authors and of persons or places writn about, the clas number holds a subordinate place, yet is constantly useful. If printed, it appears in a singl colum as in the Relativ Index, and where there is no subject catalog one can rapidly pik out books on any topic by glancing down colum for clas number wanted.

Shelflist Here clas number is again hyly important, as it makes this list the most useful form of brief subject catalog, giving author's name and brief title of every book on specific subject bearing that clas number.

Clast catalog In the clast card catalog the clasification is mapt out abuv the cards by projecting gyds, making reference almost instantaneus. Subjects ar arranjed in 1, 2, 3 order of their decimal subject numbers exactly as in clas tables, and cards of each subject ar then subarranjed alfabeticly by authors (or, in sum cases, e. g. biografy or local history, by subjects) or cronolojicly, or by book numbers.

The printed subject catalog on this plan is also most compact and satisfactory in use. Under each clas number ar givn the library's resources on that subject, the heding giving, for convenience, name as wel as number of subject; e. g. '513 Jeometry'. Jeneral notes ar printed in finer typ under

jeneral heds, and a relativ index at the end shows just where to open the book to find any topic. As clas numbers ar put in place of paje numbers, this index servs for *any* catalog, list or library arranjed on this plan.

Dictionary catalog The dictionary catalog is as eazily uzed with this sistem as with any other, and is at present on the crest of its wave of popularity. Its failure to meet skolars' requirements has often been pointed out. While far the best for an index, it stil leavs much need of a good clast catalog. But difficulties both of making and of uzing a clast catalog wer formerly so great that there was a conviction amung many librarians that notwithstanding its great advantajes, the idea must be abandond as impracticabl, tho other eminent authorities ably argued that the poorest clast catalog was better than one unclast, and that any use of such a catalog was in itself a lesson in bibliografy. Now that the serius difficulties of making a good clast catalog hav been so larjly removed by the simpl arabic numerals and Relativ Index of this decimal plan, the merits of clast over the more common dictionary sistems ar dubly prominent.

The Subject Index of this sistem is a skeleton dictionary catalog, covering everything not fully coverd by the 'name catalog'. Insted of giving book titles under each hed, the number *refers* to all those titles simply and directly. The index may be made on any of the varius dictionary plans, with all the advantajes it may possess. To us, simplest seemd best. We giv only short heds with brief indication in doutful cases of viewpoint taken in assyning clas numbers.

We therefore unite advantajes of dictionary and clast catalogs, not by mingling them and so losing much of simplicity of one and as much of excelence of the other, but by realy uzing both, each with its own merits. Only one set of titles is needed, for our clas numbers make this availabl for both catalogs.

Advantajes

Shelvs The sistem on the shelvs is the simplest form of relativ location. Many libraries hav adopted it for shelf arranjement, where catalogs recently printed, or larj investment in another plan, made it too expensiv to chanje anything else. For its great advantajes for shelvs see p. 21^9–23^1, Relativ location.

Shelflist By simply printing the shelflist at any time an admirabl subject clas list is made for any topic on which there may be present interest; e. g. if a town contemplates a new water supply, interest is greatly stimulated, and everything about waterworks is wanted. The librarian has only to open his shelflist to 628.1 and 352.6 and print it. This great advantaj is gaind with but slyt variation from the form found best in its regular use as a shelflist for examination of shelvs to detect losses and misplacements.

Accession book Where shelf mark colums ar uzed, tables of number of books aded on each subject ar redily made. A glance shows caracter,

by subjects, of books aded during any givn period; for, wherever this clas number occurs, it tels not only *where* the book is shelvd but also *what* it is about.

Pamflets These clas numbers applyd to pamflets, whether catalogd or uncatalogd, hav proved specialy satisfactory. Number is writn on upper left corner, and pamflets ar shelvd in pamflet boxes, side by side with books on same subject, or they may be kept in vertical files or on special shelvs divided every 10 cm by perpendicular partitions, or, if preferd, each pamflet may be put in exact place as if bound. Litl expense is incurd, and yet entire pamflet resources of the library on any subject can be produced almost instantly. The immense advantajes of this clast arranjement, both in economy and usefulness, wil be appreciated by every keeper of a pamflet colection. A name or author catalog is made on slips if time allows. The pamflets themselvs ar the best subject catalog. Placing all material under its clas number on regular shelvs, has the great advantaj of enabling anyone examining a subject to see all resources in 1 place, so far as posibl.

Sale duplicates The same arranjement is admirabl here. Duplicates ar so constantly chanjing that a catalog can hardly be afforded, and a subject arranjement on any other plan than this is difficult to maintain. Stil, it is very important that there be sum means of knowing what duplicates there ar on any givn subject. By simply penciling clas numbers on books and arranjing these numericly, it is posibl to giv the information more quikly, cheaply and satisfactorily than in any other way.

Charjing sistem Clas numbers may be uzed for charjing with the following advantajes: Minutest statistics of circulation can be made by simply counting charjes and entering the number for each clas on a report sheet. If filing is dun by call numbers, as either a primary or a secondary consideration, whereabouts of any book lent or amount of use of any subject is quikly found, file givs an up-to-date record of all books lent in any subject; e. g. cards filed under 52 show for Astronomy or those under 822 for English drama just how many and what books ar out and who hav them. Such a circulation table, always at hand, and with no extra expense or labor, since it is a natural part of the sistem, is hyly prized by all interested in caracter of jeneral use of the library, while it can by trifling labor be converted into a permanent record by entering on a report sheet. If a reader's card is uzed, caracter of the individual's reading is here shown and never before has so much attention as now been givn to educating readers' tastes.

Subject references For these it has peculiar advantajes. Many uzers ar undertaking analises and cros references to an extent hitherto tho't wholy or almost imposibl. These few figures tel as clearly as a long heding exactly what the reference is, while gain in eaz of use is even greater than in time and space saved in recording. The clearness and directness

of the method aid wonderfuly in this work. References to transactions, or chapters in essays, may be made in the most compact and uzabl form. See also p. 40^3–43^1 Bibliografic modifications.

Recataloging or reclasifying When Amherst College in 1873 first adopted this plan and began to recatalog its library, it was found (as in hundreds of cases since) entirely practicabl to chanje to the new sistem gradualy, as means allowd, without interfering in any appreciabl degree with circulation. Methods employd for thus chanjing without interrupting use must vary according to different conditions. The essential feature is enuf distinction between old and new call numbers to be eazily recognized by attendants. If old call numbers consist wholy of figures, the initial letter of the Cutter author numbers furnishes this requisit. All numbers of figures only ar then recognized as old, and all numbers containing a letter as in the new sistem.

Adaptability The sistem is so flexibl that it adapts itself to almost any circumstances. It may be uzed with proportionate results in almost any one of its applications without the others. It may be applyd to pamflets alone, bringing order out of caos, and solving this vext and vexing problem; or it may be uzed for catalogs, leaving shelf arranjement as before; or it may be applyd to shelvs, while the catalog is dictionary or any other typ.

Arabic numerals Arabic numerals can be writn and found quicker and with les danjer of confuzion or mistake than any other simbols. Therefore roman numerals, capitals and small letters, and similar simbols found in most clasification sistems ar entirely discarded, and by exclusiv use of arabic numerals thruout shelvs, and indexes, catalogs and other records, there is secured the greatest accuracy, economy and convenience. This advantaj is specialy prominent in comparison with sistems where author's name or the title must be writn, in calling for or charjing books and in making references.

Endowment of special departments Another great advantaj is peculiar adaptability to special endowments. One specialy interested in any subject can often be induced to endow that subject, thus providing for bying each year all the best publications.

If John Doe is specialy interested in opera, the library says: 'Giv us $1000 as endowment of 782, and we wil call it the 'Doe Library of Dramatic Music'. There wil be found every book, pamflet, newspaper clipping, or manuscript that the library has or can get on this subject. Gifts from others wil be placed in the Doe Library, the donor's name being givn on the bookplate, and for jenerations to cum every person interested in opera wil be grateful for yur foundation'. In this way 782 is assynd to John Doe, and his pride is stimulated in developing it. If another man with larjer means and interest wil endow the whole subject of music 780, there is no difficulty or impropryety in including 782, the Doe Dramatic Music Library, as the 2d section of 780, the Roe Music Library.

This is one of the most promising fields for development, for almost every library has amung its readers sum specialy interested, who if properly approacht wud endow sum topic, even if a small one, and this relativ location, with its definit number expressing just the ground coverd, may be of great servis in working up these special endowments.

Summary To sum up its claims: It is by far most inexpensiv; eazily understood, rememberd and uzed; practical rather than theoretic; brief and familiar in nomenclature; susceptibl of partial and gradual adoption without confuzion; convenient for arranjing pamflets, sale duplicates, and notes, and for indexing, and in keeping statistics and cheks for books off shelvs; a satisfactory adaptation of card catalog principl to shelvs. It shelvs books compactly; uzes simpl and few simbols; can be expanded, without limit and without confuzion or wasted labor, both in catalogs and on shelvs or in catalogs alone; cheks thuroly and conveniently against mistakes; admits redily numerus cros references; is unchanjeabl in its call numbers, and so givs them in all places where needed; in its Index affords an anser to the greatest objection to clast catalogs, and was the 1st satisfactory union of the advantajes of clast and dictionary sistems.

Sugjestions to uzers

Hold book in ryt hand and turn with left, then both clas numbers and index heds show most plainly on left marjins and reference is quicker when eye follows left pajes only.

Numeration In thinking or speaking of clas numbers, to avoid confuzion **always divide at the decimal point, and name it;** e. g. read 942.27 'nine forty-two, point twenty-seven', never 'ninety-four two twenty-seven'. If 'point' wer omitted, the ear myt redily interpret 270.2 (two seventy, two) as 272, while 'two seventy, point two' can never be misunderstood.

Plan of book

Tables First paje shows 10 clases into which all topics ar divided. Next paje shows 9 divisions of each of these 10 clases, in a birdseye view of the whole skeme on a singl paje. Then follows a sinoptic view of 10 pajes, one for each clas, showing the 9 sections of each division of each clas.

Following these sinopses is the complete clasification, which repeats in proper order, clases, divisions and sections, with all subsections. For convenience of uzers, who thus get fuller and clearer ideas of the field which each number covers, sinonimus terms, exampls, brief notes, dates and varius cachwords ar often aded to main heds. Therefore all references to numbers **shud be lookt up in the ful tables** of subsections, uzing summaries only when a merely sinoptic view is wisht.

Index Next an alfabetic index of all heds refers by clas number to exact place of each in Tables. This Index includes also, as far as found,

all sinonims or alternativ names for heds, and any other entries likely to help a reader find his subject more redily. Even a uzer who knows just where to turn to his subject in the Tables, may, by consulting the Index, be put on the trak of valuabl allyd matter which he myt otherwize overlook.

Use of Tables and Index

Familiarity with Clasification Get a jeneral knowlej of the skeme by lerning the 10 main clases [yu wil soon know the 100 divisions also without special study], so that yu can tel to what subject a givn number belongs from its 1st figure, without referring to Tables. Specific knowlej of minute divisions wil cum gradualy, but rapidly, from use. Assyn numbers by uzing Tables alone, and then always verify yur result by the Index. Thus yu wil more rapidly acquire knowlej of the Clasification and facility in its use. To do this, decide first to which of the 10 clases the subject belongs; next, take that clas as if there wer no other, and decide to which of its 10 divisions the subject belongs; then, in the same way, select section and subsection, thus running down yur topic in its groovs, which becum 10-fold narrower at each step. **As a chek against error, even tho familiar with the skeme, uze Index freely.**

Subject of a book To find this out, consult:

1 **Title**, since it is jeneraly chosen to show what the book is about, but as many titles ar vague or misleading, never clas from title alone but always examin also

2 **Contents table,** which is best gyd to true subject. If there is no contents table read

3 **Hedings of chapters,** or marjinal topics

4 **Preface** Unless alredy certain, glance thru this to each author's viewpoint and verify impressions gaind from title and contents

5 **Reference books** If preceding means fail, consult relyabl bibliografies, clast and annotated catalogs, biografic dictionaries, histories of literature, cyclopedias, reviews etc. for information about caracter of book.

6 **Subject matter** If 5 shorter methods abuv fail, examin subject matter of book itself, and if stil in dout, to avoid mistakes, put aside on an 'under consideration' shelf til yu can examin more thuroly or consult

7 **Specialists** Experts ar uzualy glad to examin any new books in their departments, enuf to clas them, i. e. to define their true subject and relations. Old ones they know where to put alredy.

Be specialy careful when dealing with flexibl terms, e. g. child welfare, to make sure of the caracter of its application in that individual book.

After deciding what the book is about, find this subject in Tables, either thru Index or by uzing Tables directly, which for beginners is a longer process, seldom to be trusted without subsequent reference to Index; e. g. Pollock's *Land laws* myt naturaly be clast from Tables alone

as '333, Land: ownership; ryts; rent', which seems exactly to fit this book. Index, however, shows 2 numbers, both referring to land laws, but from different viewpoints; i.e. 347.2, legal, and 333, economic. The object of this book, as seen in the preface, is to giv a popular presentation of English statutes pertaining to landholding, not to discuss history and theory of land laws from economist's viewpoint. It should be clast '347.2, Realty', which myt hav been overlookt but for Index.

Assyning clas numbers 1 Practical usefulness controls. Put each book under the subject to the student of which it is most useful, unless local reazons 'attract' it to a place stil more useful in yur library. See p. 30[3].

2 *Content* or real subject of which a book treats, and not *form* or accidental wording of title, determins its place. Following this rule, put a filosofy of art with Art, not with Filosofy; a history of mathematics with Mathematics, not with History; for filosofy or history is simply the *form* which these books hav taken. Their true content or subject is Art or Mathematics, and to the student of these subjects they ar most useful. (See also p. 17[1].)

3 Always remember that the question is not 'where wil one probably look for a certain book', but 'under what subject is the book of greatest value'; e. g. it is of litl consequence whether 'one wud be apt to look' under 595.16 for Darwin's *Formation of vegetable mould*, but of much consequence that one studying erthworms shud find that book in 595.16 Erthworms, since it is chiefly valuabl as a study of erthworms' habits. Anyone wanting that special book shud look for it in catalog under Darwin.

4 Giv every book most specific number which wil contain it. This varies in different libraries according to number of figures uzed, e. g. specific number for 'compulsory vaccination' is 614.4738; but in a library uzing only 3 figures, 'most specific' number posibl is 614, which must take everything on Public helth.

Sumtimes a library unwizely puts all books of a division together, if but few; e. g. all mathematical works ar markt 510. It takes just as many figures and in most cases just as much labor and if a man wants the 1 calculus in the whole library he has to serch thru perhaps 100 volumes in 510, when otherwize he wud instantly find it standing alone as 517. See also p. 31[1], Number of figures in clas number.

5 'Predominant tendency,' or obvius purpose of a book uzualy decides its number at once. Stil a book often treats of 2 or more subjects. In such cases put it where it wil be most useful, and make aded entries for all subordinate subjects. For a clast catalog giv the aded entry numbers on both bookplate and main subject card as wel as on aded entry cards.

It is a markt advantaj that these aded entries, notes etc. may be made from time to time at convenience. It is necesary at first to determin only predominant tendency of book in order to clas it; aded entries ar made whenever found desirabl.

Supply these numbers indicating more closely caracter of book as rapidly as posibl, and invite all specialists, in connection with their reading, to call attention to every desirabl aded topic notist. The numbers take litl room, ar eazily aded, and in most cases ar very valuabl.

6 If 2 subjects hav distinct paje limits, jeneraly clas under 1st and make analitic entry under 2d; but if 2d is decidedly more important or much greater in bulk, clas under that, with analitic entry under 1st. Always put a book under 1st subject, unless there is good reazon for entering it under another.

7 Consider not only scope and tendency of each book, but also nature and specialties of each library.

Any subject of which a library makes a specialty naturaly 'attracts' allyd subjects. This influence is strongest in minute clasing. To admit this variation, many subjects hav in this skeme 2 or more places, according to these different sides; e. g. a book on 'skool hyjiene', which a medical library puts under 613, has also a place in 371.7, where education specialists require it.

8 If a book treats of a majority of the sections of any division, giv it division number, insted of most important section number with aded entries. Unless sum one section is so prominently treated as to warrant placing the book in it, clas a book covering 4 or more sections under division number; e. g. clas a volume on lyt, heat and sound, under hed most fully discust, with aded entries for the others; but if it treats also of mekanics, hydrostatics and neumatics, clas as 530, or jeneral fizics, tho no mention be made of electricity, magnetism or molecular fizics.

9 When a book deals with 2 consecutiv and closely allyd subjects, jeneraly clas with 1st and regard this as including 2d, but if 2d is decidedly predominant, clas with this and either disregard 1st or make aded entry, according to importance of that portion.

10 To secure uniformity, make for future reference ful notes of all difficulties and decisions, for it is more important to put books on same subject *together* than to put them in a more nearly absolutely correct place. These notes shud be writn on broad marjins of the Clas Tables or in an interleavd copy or on P slips arranjed by clas numbers like a clast catalog.

11 Keep colected works, libraries etc. together, and assyn, like individual books, to most specific hed that wil contain them; or assyn to most prominent of varius subjects treated, with aded entries for others; or, better, separate and clas parts as independent works.

This last practis constantly grows in favor, and many librarians now larjly disregard uniform bindings and 'series' lettering, and, unless contents of volumes ar so connected that they can not be separated, clas each under most specific hed that wil contain it.

12 Clas translations, reviews, keys, analises, ansers and other books *about* specific books with orijinal book, as being there most useful.

Number of figures uzed in clas number Decide this according to circumstances in each library. Small libraries often uze minute subsections beyond 3 figures only in certain divisions like Travel, 913–919, where closer jeografic division is specialy needed, and in 400 and 800, when a 4th figure is needed to separate different languajes.

In very small colections 2 figures myt do til growth required further division; but it is economy, and saves handling books again, to uze at least 3 figures at first, even in smallest colections. In larjer or rapidly growing libraries all subdivisions may be uzed for same reazon, tho number of books may not then seem to justify it. Whether there ar 1 or 1000 books on any topic, they take no more shelf space if clast minutely, and work is dun once for all. When larj accessions cum, even if a century later, this number wil not hav to be alterd. A library having but 20 books on Education myt think it unwize to uze the ful skeme, but the whole 20 wud go on a singl shelf, and take no more room, and the Index wud refer more exactly to what was wanted. Number of books yu hav on any subject has in this sistem no special weight. In relativ location, any number of consecutiv topics without a book wastes no space on shelvs or in catalogs. Numbers ar merely skipt. This not only does no harm, but has great negativ value, as looking for a number and finding it blank or skipt shows that yu *hav nothing on that subject* — information 2d in value only to finding sumthing, for one need no longer serch.

The practical objection to close clasing is that it givs a longer number, when this is uzed to charj by in a lending library. In a reference library ful subsections shud always be uzed. Where short numbers ar imperativ, giv ful clas number on another part of the bookplate, not to be uzed in charjing, but as a gyd to contents. Thus when a clasifyer has once examind a book and found out just what it is about, he records it to benefit others.

Bilding numbers

Jeografic divisions In dividing by cuntries according to note ' Divided like 930–999', found so often in Tables, ad only the number following initial 9, for this 9 means not locality but simply clas 9, History; e. g. 942, history of England, analyzd is 9 history, 42 England (4 Europe, 2 England). If jeolojy of England is wanted, ad to 55 (jeolojy number) 42 (number for England) and yu hav 554.2. History of N Y state is 974.7, of which 747 is locality number; 353.9747, number for N Y state administration, is bilt by ading to number for state administration, 353.9, number for N Y state, 747.

Languaj and literature In 890, where directed to ' divide like 490 ', note that 890, Minor literatures, and 490, Minor languajes, correspond exactly, so that only figures following 49 ar to be aded to 89 to bild a minor literature number; e. g. Polish languaj is 491.85; ading 185 to 89, Minor

literatures, givs 891.85 Polish literature. In brief, to form literature from filolojy numbers substitute 8 for 1st figure, 4; e. g. Sanskrit languaj 491.2, Sanskrit literature 891.2. Under 490, the filolojic divisions (dictionaries, grammar etc.), and under 890 the form divisions (poetry, drama etc.) shud be uzed only when clas number represents a *specific* languaj or literature, e. g. 491.7 Russian, but *not* 497 North American, awaiting further division by languaj.

If directed to 'divide like main clasification', as in 016, number for required subject is aded exactly as it stands in Tables; e. g. bibliografy of Polish poetry, 016.891851.

Combining numbers in a way not printed in Tables must be dun with great care, or confuzion results. Many uzers, fascinated with the posibilities of the sistem, make combinations more injenius than useful; e. g. 'The horse's foot and how to shoe it' was once markt 636.1682, i. e. blaksmithing number, 682, aded to horse number, 636.1. Horseshoeing is now in Tables as 682.1, while 636.168 means American ponies.

Often a clasifyer ads a figure to show sum distinction. It seems short and desirabl, but later he may find he has shut himself off from uzing sum other division greatly preferd. For his personal aditions, letters or other simbols not numbers shud be uzed. Every aded simbol must be clearly writn in Tables and Index. Never trust memory for decisions.

See also p. 35[1]–38[1], Letter or simbol notations for chanjes or aditions.

Book numbers

The call number of a book (number by which it is cald for) jeneraly consists of both clas and book numbers. The same clas number applys to all books on same subject; the book number distinguishes each individual work from all others in that clas, and is the same for all volumes or copies of same work. When a specific volume is wanted the number for that volume must be aded to clas and book numbers to complete the call number. Most important methods of assyning book numbers ar:

Author numbers Invention of translation sistems by which a name is represented by its initial, with remaining letters translated into numbers, e. g. Freeman, F85, has led most libraries to arranje books under each clas number alfabeticly by authors, or in local history by towns, or in individual biografy and bibliografy by biografees and bibliografees. This keeps together all works by same author or on same town or same biografee, etc. and even in larj clases enables one to find any book redily without consulting catalogs. One great advantaj is that same author has same book number in every subject; i. e. figures ar 'significant' like our clas numbers, and translate themselvs into names. Great practical nemonic convenience results from this form of book number. Most widely uzed of these translation sistems is C. A. Cutter's, known as 'Cutter numbers', publisht by Library Bureau.

Special author tables A 2d method, for authors having special numbers, e. g. Shakspere, 822.33, or Milton, 821.47, is uniform use for such authors, of book numbers A-N, with O-Z assynd on basis of their individual works, as ilustrated under 'Special author tables', on pajes following Relativ Index.

Time numbers A 3d arranjement of books under clas numbers is cronolojic by date of 1st publication. Its advantaj is in presenting historic development of subject, the book writn erliest being on the left, the latest work on the ryt, and then of any givn book it is evident that all those on the left wer writn before it, all those on the ryt after it. In syence and useful arts this has special value, while in literature author arranjement is better. W. S. Biscoe's translation sistem of dates givs a more compact and satisfactory mark for year than date writn in ful. (For ful explanations and table see 'Biscoe time numbers', on pajes following Relativ Index)

Accession order A 4th arranjement, simpler but otherwize les desirabl, is in accession order; 1st book put in a clas being numberd 1, the 2d 2, the 3d 3.

It is entirely practicabl to uze 2, 3 or all 4 of these methods at same time in same library, one peculiarity of the sistem being the eaz with which it may be adapted to almost any special circumstances. The advantajes of the cronolojic numbering ar most markt in syence and useful arts; the alfabetic is best in clases where names of authors or subjects outrank dates; and special author numbers in cases where clas number alredy indicates author, so corresponding indication in book number wud be useless duplication; while the old accession-order plan is good in special colections which must be kept separate and ar no longer aded to, since here the extreme simplicity of 1, 2, 3 order is secured with no sacrifice. It is stil better, if this last method is uzed, to adopt A, B, C, insted of 1, 2, 3, as 26 insted of 9 books may be markt with 1 caracter, and chiefly becauz it is hyly desirabl that each book number begin with a letter, which can not be mistaken for end of clas number if writn on same line; e. g. 1st book under 513, if numberd 1, myt be so writn as to confuze with subsection 513.1, but 513A cud not be misinterpreted. If figures ar uzed, take care to write them as a fraction or with separating dash; e. g. 513 or 513–1.

Variations practicabl in adjusting to special local requirements

Sum uzers assume that adopting Decimal Clasification and Relativ Index carries with it other parts of the sistem uzed by the author at Amherst, Wellesley or Columbia colejes or in New York State Library. In fact, the plan in each differd sumwhat from all the others, and many of the thousands of public and private libraries now uzing it hav adopted stil other variations; for special constituency, circumstances and resources of each library must be considerd in deciding what is best for it. This decision

shud be made by one familiar, not only with the library and its needs, but also with all methods of any merit and with comparativ eaz and cost of introducing them into any givn library.

Cautions Having decided to adopt this sistem in its *decimal* form as workt out and printed, determin whether to adopt certain variations, noted in 1–5 below as practicabl, and in sum cases useful and desirabl. The inexperienst uzer is very likely to feel entirely competent, without reading more than a singl paje of the Tables, regardless of its bearings on hundreds of other places, and without so much as looking at the author's explanations, to institute a series of 'improvements'. Experience shows that nothing cud be more disastrus. It seems a simpl matter to put a topic a line hyer or lower, but in sum cases this may affect over 100 Index entries, and there is no posibl way to be sure of correcting them except by examining each of 43,000 heds. Proposed chanjes, carefuly studid out and submitted as improvements, ar frequently shown by our old records to hav been adopted and uzed in the exact form proposed til unforeseen considerations forst us to chanje to the form as printed. Even after years of experience one is not safe in pronouncing on an apparent improvement without consulting voluminus records of previus experiments.

Even sum who hav uzed the sistem longest hav been misled into adopting chanjes which on tryal they wer compeld to reject, going bak to orijinal form at cost and confuzion of 2 chanjes. In so apparently simpl a thing as introducing subdivisions on blank numbers, mistakes ar often made; and when too late to correct them the makers regret their neglect to consult the editor and secure advice and cooperation of those most familiar with the manifold interrelations. Even wer the independent divisions equaly good, they do not agree with those which wil later be printed in Tables and Index, so that every copy of the printed skeme wil hav to be corrected in manuscript before it is uzabl in that library. The only safe rule is to *make no chanjes or subdivisions* without submitting them to the editor, who wil gladly advize on such matters without charj, not on ground of any superior wizdom, nor even becauz of larjer experience in this special work, but becauz in this way only can it be lernd if corresponding subdivisions hav been alredy assynd sumwhat differently.

A uzer who adopts printed form avoids criticizm sure to be aimd at any posibl skeme. The moment he makes 1 'improvement' he must defend all his heds or alter them to suit each critic. Much time is saved by saying that the skeme is uzed **as printed,** and blunders ar the author's, not the uzer's. A list of chanjes made by others without consultation was writn for this caution, but is omitted lest it seem invidius. It ilustrates how eazy it is for able men to make what no one questions after explanation to hav been outryt blunders, in 'improving and ading to' the printed skeme. We ar always grateful for sugjestions from anyone, and, having alredy spent so much time in efforts to improve this sistem for the common good of all uzers, invite cooperation of those interested in completing needed subdivisions and eliminating any errors that remain in either Tables or Index.

Sugjested variations

The following brief notes show the most important variations found practicabl in the 'relativ index and location sistem,' oftener cald the Decimal Clasification or 'Dewey sistem', or oftenest simply 'D C'. For its essentials see p. 11[6].

1 Letter or simbol notations for chanjes or aditions To protect other uzers from confuzion, the publishers insist, as entitled to by copyryt, that D C numbers shal not be printed with chanjed meanings or aditions, without sum clear indication of the fact in the number itself. If reazons which led to adoption of form printed ar not conclusiv to another, we wish to remove any obstacls to his use of the sistem with such chanjes as shal satisfy him. This can redily be dun by uzing a letter or sum other caracter than the 10 dijits, to mark chanjes; e. g. if yu wish a different set of subdivisions under any number, make it out to suit, and letter it a, b, c, etc. It wil arranje in its exact place and exact order without difficulty, and no other uzer of the sistem wil be confuzed by yur forms. In Index, cancel 1, 2, 3, etc. yu hav discarded, and write in a, b, c, etc. adopted. **Whenever yu uze our exact numbers, uze also our exact and universal meanings for them as indext.** For any aditions or chanjes of yur own, uze letters or simbols of yur own which can not be mistaken for ours, uzing, of course, our figures to the place where difference begins; e. g. if yu want a new heding next to 551.34, Icebergs, it can not properly go as decimal 1. Mark it 551.34a, and it arranjes as wisht. If yu wish to chanje a hed from one place to another, cancel it where it stands, and *leav that number blank* in Tables. Then insert the hed in its new place as abuv, as if it had never been in our Tables. Unuzed decimals ar often *alredy appropriated* for authorized subdivisions, tho they may not be printed til several editions later.

This plan of introducing letters or other simbols wherever each uzer pleazes, wil giv all needed freedom to the personal equation and desire for 'orijinality', and meet all real wants for peculiar clasification in peculiar cases.

Fiction In sum cases it is uzualy best to modify clas numbers by letters as abuv. In popular libraries half the circulation is often fiction. It is a great saving to omit clas number entirely and uze merely book number, it being understood that *no* clas number means 'fiction'. Sum libraries go stil further and for fiction omit book number as wel as clas number. Sum even omit book numbers in other clases.

Juvenils After fiction, great circulation makes juvenils a good place to economize, if they ar kept separate, as is uzualy desirabl in popular libraries. Books ar clast as if for adults (except that a short number may be uzed) J being prefixt to show their special caracter. This givs J alone as clas number for juvenil fiction; J942 is a child's history of England. These books ar arranjed in a paralel library by themselvs, so J942 cums between J941, juvenil history of Scotland, and J943, juvenil history of Germany.

The separate J library ean at any time be abandond by distributing J books amung the regular clases, either ignoring J entirely, or preferably by putting all J books by themselvs at end of each clas number. In former case, if shorter numbers hav been uzed for juvenils than for adults they shud be extended to correspond; in latter case, numbers may either be extended and the books shelvd at end of exact subdivision, or the shorter numbers may be retaind and the books groupt at end of entire seetion, e. g. *all* juvenil works on English history may be kept under short number J942 and shelvd after all adult works on English history, both 942 alone and 942 with subdivisions.

There ar thus 3 methods: 1, to hav a separate J library; 2, to hav J books by themselvs at end of each elas number; 3, to hav J books in alfabetic order amung other books on same subject. In this last case J is useful only to call attention plainly to their juvenil caracter.

Unless shorter numbers ar uzed for juvenils than for adults the same marking is uzed for all these plans, and one ean be ehanjed to another by simply distributing books the other way and teling attendants.

Biografy For this larj clas, opinions differ as to best treatment. Beside the plan printed in Tables the following methods ar widely uzed.

For *individual* biografy, i. e. that relating to a singl person (including books containing biografies of not more than 4 persons)

1 Put all biografies in one alfabet of names of *persons writn about*, uzing 92 for clas number, and indicating the subjeet or biografee by a Cutter book number; e. g. life of Grant, 92 G76. This is most compact for charjing, and is preferd in popular libraries of larj circulation. Insted of 92 for clas number, B is often uzed, but is les desirabl, sinee it has no lojieal plaee in a numerie arranjement on shelvs and is sumtimes confuzed with the author's initial in fiction.

2 Distribute biografy as far as posibl to subjects it ilustrates, leaving, of eourse, under 920 the lives not bearing specialy on any subject; e. g. all lives of musicians go under 780 and its subdivisions, life of Wagner being 782.2 insted of 927.82 as in Tables. When 9 is uzed to indicate history of a special subjeet, 92 may be uzed for its biografy; e. g. 780.9 History of music, 780.92 Biografy of musicians.

Collectiv biografy may be elast in a singl group under 920, or by subject under 920–928, as in Tables, or distributed thruout the clasifieation, according to 2d plan givn abuv for individual biografy, subarranjement with any of these methods being alfabetic by author.

Paralel libraries This treatment of fiction, juvenils and biografy ilustrates the principl. Its other chief application is for languaj coleetions. Sum libraries hav a constituency not reading English, and so need a paralel library in Italian or Swedish, etc. This is most eazily made by simply prefixing languaj initial to clas number. If arranjed in one series of subjects this initial is ignored, or all books in the special languajes may be groupt under initial letters at end of each clas number. The

paralel library is made by simply putting together all books having same languaj initial and then arranjing by clas numbers. Initials uzed ar F, French, G, German, I, Italian, Sp, Spanish, Sw, Swedish, Dn, Danish, Du, Dutch, N, Norwegian, W, Welsh, A, Arabic, etc. Where only 1 languaj is so markt in a givn library, jeneraly only 1 letter shud be uzed, so as to avoid an extra letter in charjing; e. g. S wil anser for either Spanish or Swedish if uzed in only 1 sense. A prefixt letter may, however, hav been uzed with a different meaning, e. g. R for Reference, necesitating more than 1 letter for the languaj prefix, *even if only 1 languaj* is represented by the initial, e. g. Ru for Russian. This plan has proved very satisfactory in actual use.

Combining languaj and literature Same principl can be applyd also in combining each languaj with its literature, if it is preferd to abolish clas Filolojy, and make it simply an appendix to Literature; e. g. uzing 82f for English filolojy and ading filolojy subdivisions, English dictionaries wud becum 82f3, English grammars 82f5, etc. arranjed either just before or just after English literature, 820, 821, etc. and reverse wud hold true if a filolojist wisht to abolish Literature and make it an appendix to Filolojy. For a better plan see p. 39[2-3], Broken order.

Reference library To separate books most needed, the best plan is to mark R before clas numbers, and arranje books together as an R library. When books ar to go into jeneral colection again, draw a line thru this letter.

In same way it frequently happens that a jeneral private library is givn on condition that it be kept together; e. g. Phoenix library of Columbia University. This has P prefixt to clas number, and thus is a paralel library by itself. An initial is better than * or similar mark, for it helps memory and is just as brief. Same plan applys if the library has an 'inferno' for books not uzed without permits, or for distant rooms where books worth keeping but seldom cald for can be arranjed in a paralel storaj library.

Stil another provision is made in 080, 8 being regular number for jeneral colections (as in 508, 520.8 etc.), for those special libraries which can not be separated becauz of binding or conditions of gift; but insted of the 3 figures in 080, a singl letter, as described abuv, indicates the special colection, and it is eazy to lern location of the few special colections of any one library.

Omission of initial 0 in the clas 'Jeneral works' has been tryd; e. g. 51 insted of 051 for an American periodical, but is not advized, for the eye gets so in the habit of reading as *Syence* any number beginning with 5, that there is a mental hich if, e. g. jeneral periodicals ar writn 51, etc. insted of 051, etc. Another reazon is that Institut International de Bibliographie (see p. 40[3]) regards as neglijibl a final 0 and uzes the 1 and 2 figure numbers as we uze those same numbers fild out by 0 to 3 figures, e. g. 1 for filosofy, like our 100, 22 for Bible, like our 220. Also in clasification it sumtimes happens that the 1st 2 figures ar obvius at a

glance, but time must be taken to determin the 3d. It is convenient to write these 1st figures, but if a mathematical book receivs its 1st 2 figures (51), this unfinisht number is likely to be confuzed with the 2-figure number 51. This danjer may be larjly avoided by writing the decimal point after a blank; e. g. 51 ., to show that a figure is omitted.

2 Contractions for specialists The sistem is often uzed by specialists for very minute work, where decimals run out to 6 or more places. Theoreticly it is better to write all these figures, thus showing relation to the universe of knowlej, but there is no practical gain to justify the labor if a great quantity of slips must be numberd. A specialist working on 'Swedish poetry of the aje of Gustavus' can uze a singl letter insted of the ful 839.715 and save 5 caracters in numbering each note; or a dash may be writn for all but the last figure, thus '— 5'. A body of such notes can be inserted together in their place in an index at 839.715, with a colord card to mark the special groups, with litl danjer of confuzion. Stil a stickler for theoretic completeness wil write a ful index number for each separate slip.

3 Use of alfabet or cronolojy for final subdivisions While our plan is decimal as distinguisht from 'dictionary' we *always alfabet* wherever that is more useful. Indeed, the main feature of our plan is its alfabetic Relativ Index. Frequently in minute divisions it is economy to arranje alfabeticly or by dates without uzing a translation sistem. This is specialy true in index rerums and notes of specialists. After numbers hav been uzed as far as that is the most useful form, then either the name chosen for hed or the year can be inserted at the end; e. g. towns in a givn state, individual birds or insects cuming under one number, names of men writn about in biografy, etc. Sum may prefer to adopt this plan in places where we hav chosen a grouping; e. g. in chemistry, to put all metals in one alfabet under 546.3, insted of uzing numbers 546.3–.99. If this chanje is wisht, a more complete one wil probably be better: put all elements, metallic and nonmetallic, in 1 alfabet under 546. Such use of the alfabet cauzes no confuzion with the Index, as it simply subdivides more closely, unless, as in the case of 546.3, the alfabet replaces heds alredy printed. In this case, cancel all subsections in the Tables by drawing a line obliquely thru heds discarded, and mark in marjin 'Alfabet by elements,' e. g.

546.3	Metals	Alfabet by elements
~~.31~~	~~Alkali group~~	
~~.32~~	~~Potassium~~	
~~.33~~	~~Sodium~~	
~~.34~~	~~Lithium~~	
~~.35~~	~~Rubidium~~	
~~.36~~	~~Caesium~~	

Then find each of these heds in Index and cancel all figures after 546.3, e. g.

Potassium, inorganic chemistry, 546.3~~2~~
Rubidium, " 546.3~~5~~

This plan has special value in this place, as new elements ar discoverd from time to time, and can redily be inserted in alfabetic place. Stil many chemists think it valuabl to hav similar metals groupt together for convenience of study, and to cover books writn on the group as a whole, and also think it important to hav a number for rejected elements, becauz literature and references about them remain, and must be provided for. New elements may be inserted, as explaind on p. 16[5].

4 Broken order Another common and often desirabl variation for shelf arranjement is to break sequence of numbers, to get most-uzed books nearest delivery desk. Theory keeps numbers in strict sequence; but a hyer rule everywhere is 'sacrifice any theory for a substantial gain'. Practicaly there ar few libraries where it is not best to break order of clases. Often divisions ar best arranjed out of numeric place; e. g. 520 Astronomy may be wanted in a room accessibl at nyt; fiction, juvenils and biografy ar always wanted near the delivery desk in a public library, and in strict order ar as likely to cum at the most distant point. Numberless local reazons may make a broken order desirabl. There need be no hesitation in adopting it if enuf is gaind, but there shud be charts clearly showing where each division starts; e. g. after 430 'Preceding 830'; after 520 'In observatory', it being necesary to specify room for books entirely removed from jeneral library arranjement. The summary of 100 divisions is furnisht by Library Bureau, on celluloid charts, to show location. Opposit each division shud be markt its beginning on shelvs, and it is eazy to vary the order as much as desirabl, tho of course the nearer the divisions run in regular order, 000–999, the eazier it is for a stranjer to find his way about. Variations in order of sections ar les wize and seldom necesary, but if made, a wood or cardboard dummy in regular place shud hav markt on its side the actual location of any section removed.

This broken-order plan is best for bringing together filolojy and literature of each languaj without altering numbers or prefixing any letter. Let 420 be shelvd just ahed of 820, 430 ahed of 830, and so for all languajes, making the jeneral note that all 400s ar shelvd just ahed of corresponding 800s, and remembering that after main languajes 4 or more figures ar required to indicate languaj alone, so Portuguese filolojy goes between 868 and 869, Russian between 891.69 and 891.7, Bohemian between 891.85 and 891.86, etc.

5 Pro and con division of topics It is very useful in many cases to separate books on a topic with strongly markt sides, so either set of views and arguments may be seen by itself. This has been dun in sum cases by subdivision, e. g. 337 Protection and free trade. In others it is equaly useful, and can be indicated by an aded mark, e. g. 324.3 Woman suffraj. The number may be uzed for jeneral works, giving facts etc. and advocates and opponents may be separated by + and — for positiv and negativ, or by p and c, the initials for pro and con, which tho short, ar too long for a

circulating library to uze in charjing but may be disregarded for that purpose if book numbers ar so assynd as to distinguish. In reference libraries, on cards, etc. most wil prefer to write out *pro* and *con*, to mark the 2 groups. The order on shelvs is, of course, alfabetic, i. e. 324.3, 324.3c, 324.3p; or if + and — ar uzed, the uzual order is followd: +, —.

These 5 notes sugjest the ranje of variations which may be made, and ilustrate D C adaptability to widely different conditions. For book numbers, which decide the order of material after it is groupt into its final clases, see p. 32^5–33^7.

Bibliografic modifications

After study of all other availabl sistems the Decimal Clasification was adopted in 1895 by the newly organized Institut International de Bibliographie (known as I I B) as best adapted for its projected universal subject bibliografy to cover ultimately all subjects in all languajes in all periods of the world's history.

Determining factors wer:

1 Decimal Clasification was of topics, independent of languaj or exact sinonim by which exprest

2 Its notation was in itself the only international languaj, since it consisted solely of arabic numerals, uzed all over the world

3 Its decimal principl allowd indefinit intercalation

Overdetaild as the Clasification alredy seemd to many librarians, lak of subdivision was the Institute's 1st difficulty and it urjd us at once to enlarj the Tables. State Library duties at that time made concentration on this imposibl, but we promist cooperation and criticizm if I I B wud draft required extensions. When its remarkably rapid work precluded even adequate criticizm, it was authorized to publish its tables and assured that the American revision wud vary from them as litl as practicabl. At Geneva in 1924 the harmonizing of the American and European editions was agreed on and to D C editor was delegated the very extensiv work of checking the variant forms and recommending which shud be kept, a work which is now wel under way.

Obviusly, bibliografic and jeneral library use ar so different that in sum cases what is clearly best for real needs of skolarly specialists, where any simbols can be uzed on index cards, wud be quite impracticabl for a public library, which must hav simbols that can be markt on the bak of books, redily uzed by the unskild public in writing call slips, and rapidly handld by low-priced runners and yung clerks. This difficulty can, however, often be obviated by allowing alternativ forms.

I I B has devized and uzes injenius simbols, expressing many interrelations and greatly increasing numbering capacity.[1] But these new simbols

[1] For expressing these ideas in terms of pure decimal notation, refer to Supplementary Table 2 following Relativ index

ar tho't by many too complex for ordinary shelf or catalog use, tho 25 years use by I I B with unskild clerks has proved that this objection is more fear than result of fair tryal. They ar givn here broadly for personal notes of specialists and other close clasifyers, to whom their vast practical advantajes wil strongly appeal, and as a key to notation on I I B bibliografic cards. Elaborate details and explanations ar in *Classification décimale*, Brussels, 1905, of which a new edition is announst for 1927. Obviusly these simbols allow subdivision of the same number in many different ways without confuzion.

The most important of these devices ar *3 Relation syn* and *6 Place syn* and their use in libraries where they hav been tryd has proved that it is entirely practicabl, even for marking books.

The wide and ever-growing ranje of application of certain subjects makes it imposibl to subdivide satisfactorily by assyning definit numbers, but use of colon to show relation between 2 subjects provides an automatic method which can be uzed with any subject for unlimited subdivision. (For ilustration see note under 150 Sykolojy.)

Use of ( ) round a local number provides an automatic method of local subdivision for any subject, as there may be need in an individual library, while the simbol shows instantly the *local* nature of the subdivision.

1 Accretion syn + This simplest of simbols, equivalent to 'and', indicates exactly what it sugjests, that the articl so numberd treats of all subject numbers connected by +; e. g. 637 + 614.32 a work concerning dairies and also on inspection of dairy products.

2 Cupling syn - This is uzed for cupling to a subject a series of subdivisions common to a group of subjects, as 400 Filolojy (e.g. 45-3 Italian dictionary, 45-4 Italian sinonims, 45-5 Italian grammar; 46-3 Spanish dictionary, 46-4 Spanish sinonims, 46-5 Spanish grammar), 800 Literature (85-3 Italian fiction, 85-4 Italian essays, 85-5 Italian oratory; 86-3 Spanish fiction, 86-4 Spanish essays, 86-5 Spanish oratory), 546 Inorganic chemistry (546.51-3 Oxids of led, 546.51-4 Sulfid of led, 546.51-5 Chlorid of led; 546.56-3 Oxids of copper, 546.56-4 Sulfid of copper, 546.56-5 Chlorid of copper; 546.57-3 Oxids of silver, 546.57-4 Sulfid of silver, 546.57-5 Chlorid of silver). It shud, however, be uzed only where such use is specificly mentiond in the Tables, as confuzion wud otherwize result. This syn is so similar to that commonly uzed for 'to and including' that when it is uzed with Institut meaning it is advizabl to uze word 'to' for the other meaning.

3 Relation syn : This is most useful simbol of all, as it involvs no chanje of number except omission of final o by those preferring shortest form. It indicates merely that subjects so connected ar *considerd in relation to each other*, thus affording means of expressing almost limitless interrelations: e. g. ethics in relation to fine arts is 17:7 (or, better, in ful 170:700). Vice versa, art in its ethical aspect is 7:17 (or 700:170); order of

numbers before and after colon depending on emfasis, or on subject with which they ar to be arranjed.

4 Form syn (0) Form or jeneralities ar exprest by a parenthetic number beginning with 0. This is further subdivided as follows:

(0:) Form simbol; e. g. 335(0:843) means Socialism treated in form of a French novel.

(00) Subdivisions peculiar to a subject; e. g. for history it means sources. It is further subdivided and in sum cases modifyd by a hyfend figure; e. g. 9(44) (001-3) means *Catalog* of *official* sources of French history, (001) meaning official sources and -3 meaning catalogs, indexes, lists etc.

(01)–(09) ar the same as our regular form numbers 01–09. Obviusly we can not replace our long establisht simpl form numbers by sumthing so much more complex that it is impracticabl for shelf use.

5 Universality syn ∞ The mathematical syn of infinity is uzed with place and time syns to mean 'Without limitation': with place syn (see 6 below) it means 'including all places', e. g. 9 (∞) History of all cuntries; with time syn (see 8 below) it means 'covering all periods', e. g. 9 (∞) " ∞ " History of all cuntries at all times.

6 Place syn (3)–(9) These replace our regular cuntry subdivisions found in 930–999, but do not conflict, as I I B merely leavs D C 930–999 vacant, and writes History of France 9(44) insted of 944. Other auxiliary place numbers indicating jeneral rejion, direction, jeolojic place, prehistoric time, etc. ar also provided in place curvs.

7 Languaj syn = This syn preceding languaj numbers as found in 400 Filolojy, indicates subdivision by languaj; e. g. 523.5=9185 means a work on meteors, in Polish, 91.85 being filolojy number for Polish languaj in 400.

8 Time syn " " Numbers denoting time division ar writn in quotes. I I B skeme givs an elaborate time-division sistem based on exact dates; e. g. " 1922. 12. 11 ", meaning year 1922, 12th month, 11th day.

9 Jeneral points of view syn 00 Each of the following numbers for point of view (except 005) has also a series of subdivisions:

001 Speculativ: idea, purpose, plan etc.
002 Realization: execution, construction etc.
003 Economic: industrial production, cost and sale prices, etc.
004 Servis and use: workings, administration
005 Equipment and apparatus
006 Bildings and establishments: details of organization and servis
007 Special personnel

10 A to Z Alfabetic arranjement by name of person, place or thing is indicated according to circumstances by initial or whole name.

Sequence of these simbols in clas number may be varid by uzers to produce any special arranjement wisht, but unless distinct notis of this is givn, sequence is arbitrary in the following order:

( ) " " = : - A-Z

e. g. 9(44)"17" = 2 History of France in 18th century, writn in English

Other uses

Tho this sistem was devized 1st for library catalog and shelf arranjement, 54 years hav developt many new applications. Nearly every administrativ department feels directly the great economy, and in every field of literary activity this clasification has been found a great laborsaver, whose practical usefulness has exceeded the most sanguin hopes of its erly frends.

Bookstores The plan is a great convenience to both dealers and customers, when applyd to miscelaneus stok. Very often a much wanted book, specialy if not recently publisht, is reported 'not in stok', when D C arranjement by subject wud hav reveald its place at once. Specialists often find on shelvs books they wud never hav orderd, but ar glad to by after examination. Experience proves it profitabl for a dealer to arranje his books so each person may find what he is interested in without examining entire stok.

Offis files A great file of papers is like a library in miniature. Experience the world over proves that while alfabetic and numeric sistems ar invaluabl for many purposes, complete usefulness demands close clasing as material grows. The best plan is to combine simplicity of numeric and utility of clast as in this Decimal Clasification and Relativ Index uzed by most libraries. The simplest posibl printed index of 43,000 heds tels instantly by what number to mark or to find any paper. Insurance is markt 368. This means: clas 3, Sociolojy; division 6, Associations and institutions; section 8, Insurance. Fire insurance is 1st subdivision, so every paper about fire insurance is markt 368.1 and goes in the drawer in numeric order, where it can instantly be found thru the printed Index.

54 years use in a score of cuntries has proved this numeric sistem, with its Relativ Index, a marvelus laborsaver. Clasification is a necesity if all material on any givn subject is to be redily found. The labor of making one's own clasification is uzualy prohibitiv, if wel dun. By adopting the skeme in jeneral use by libraries this labor is saved and numbers ar in harmony with those of thousands of other catalogs and indexes in which the same number has the same meaning; for, as pointed out at a recent international congress, these numbers ar the only international languaj of perfectly definit meaning amung all civilized nations; and also cheapest and quickest in application.

A successful man is uzualy a clasifyer and chartmaker. This applys as much to modern business as to syence or libraries. Hyer education differs

from elementary in studying not mere facts, but their *relations to all other facts*. Alex. Bain wizely said 'to lern to clasify is in itself an education'. The man of much business or affairs must study every problem in its manifold relations; i. e. must clasify and make charts of his results. Without these he is like a sailor in stranje waters, sooner or later shiprekt unless he uzes charts to find safe channels as wel as to avoid roks and shoals. A larj business or work unclasifyd or uncharted is not a worthy organization but mere material from which a clever brain may construct one. It differs in efficiency from the ideal as a mob of men differs from a wel disciplind army. Piles of brik and mortar ar not a templ any more than heaps of typ ar Shakspere's works, tho if 'clasifyd' and set, each in ryt relation to the rest, the transformation is bro't about.

Scrapbooks The plan has proved the best for keeping newspaper clippings. Uze manila sheets of uniform size (we find 20x25cm best) Write clas number of subject in uzual place on paje, and mount clippings on sheets as in a common scrapbook. These sheets ar arranjed numericly like a clast card catalog, sheets of each clas being further arranjed, when desirabl, under alfabetic subheds. When one sheet is ful, insert another at the exact place. Thus perfect clasification is kept up without blank sheets, and at smallest outlay of money and trubl. Scraps thus mounted ar shelvd either in manila pamflet cases or in patent binders, or ar kept in vertical files.

Index rerums These ar best made on standard P size (7.5x12.5cm) cards or slips. Lyt weight catalog card stok is best for private indexes, etc. It costs only $\frac{2}{3}$ as much as hevy bristol, takes only $\frac{2}{3}$ room, and handls eazily.

Where durability and convenience of handling ar les important than cheapness uze common hevy writing paper. Novises often greatly diminish usefulness of the card sistem by uzing ordinary machine-cut cards or slips varying in hyt so much as to make quik and accurate manipulation imposibl. Extreme variation to be tolerated is 1 mm or $\frac{1}{25}$ inch. This wil be understood by placing a 7.4cm card between two 7.5cm cards. In rapid turning, fingers make a brij across taller cards and mis the lower one entirely. Cards must be accurately cut or they lose half their value and in many cases necesitate recopying material at a cost 10-fold greater than to hav thrown away imperfectly cut cards or slips at the outset.

Clas number is writn in upper left corner, any alfabetic subject hed follows at ryt, and notes fil card below. Cards ar then filed in order of clas numbers, the cards of each clas being further arranjed like scrap sheets, according to any alfabetic subheds.

Paper the size of scrap sheets, 20x25cm, arranjed and stored the same way may be uzed insted of cards. This has the advantaj of a ful letter paje in syt at once, and holds over 5 times as much as card. While the sistem can be applyd to slips or sheets of any size, there ar literaly hundreds of acces-

sories and conveniences exactly adapted to these 2 sizes, which ar uzed much more than all others combined; so it is folly to begin on another size, and lose the advantajes of this uniformity. If intermediate sizes must be had, the best ar Billet 10x15cm, Note 12.5x20cm, and Ms 15x25cm. Often uzers of sum other size finaly find it profitabl to chanje to either P, 7.5x12.5, or to L, 20x25cm, even at cost of rewriting many notes.

After 50 years use of P size, countless millions of cards ar in catalogs and indexes in scores of cuntries, so it wud be quite imposibl to chanje from 7.5x12.5cm. But recent study and experiments hav shown that sheet or room proportions ar most pleazing in ratio of 1 to square root of 2, or about 5 to 7, i. e. ratio of the side of an equal-side triangl to its hypotenuse. An immense practical advantaj is that this is the only ratio where continuus halving givs always the same ideal proportion. This results in markt economy in cutting sizes from larj standard sheets. The favorit letter sheet is 19x27cm. This fits most vertical and other files. We now uze it insted of 20x25 and 15x25. Half this size is a pleazing small quarto, 13.5x19, and its quarter is a very convenient pocket size, 9.5x13.5cm. These replace our old Note and Billet sizes.

Note books ar best in loos-leaf form. A much poorer method is to take a bound blank book, and assyn clas numbers in order, giving about the space it is tho't each wil require, and, when pajes so assynd ar ful, note at bottom where rest of the material may be found. This has all objections of old fixt location as compared to relativ, and wil hardly be adopted by any person who has ever seen loos-leaf simplicity and economy.

Scores of devices for convenient handling and storing of these slips and sheets and of pamflets ar manufactured. The ful descriptiv and ilustrated catalogs of Library Bureau giv details.

Topical indexes Clas numbers ar uzed to index books red. Simpl numbers take the place of a series of words, and results can be handld, arranjed and found much quicker. Such entries may be kept separate or combined with index rerums.

Advantajes for making topical indexes of colected works, periodicals, transactions etc. wil be evident to every indexer or librarian. These consolidated indexes may be arranjed together with the card catalog of the books, or by themselvs, as seems best in each case.

These ar only a few of the sistem's varid applications. Enuf hav been mentiond to show its wide adaptability to wants of librarian, student and business man.

Separates

There is growing use by specialists who wish very detaild tables of their own subjects, but only so much else as wil show perspectiv of these subjects in the jeneral skeme and provide for broad clasification of other material on the same plan. As fast as demand wil cover expenses, any subject elaborated wil be publisht separately with jeneral explanation,

directions for use, 3-figure tables for other subjects, and ful index; e. g. normal skool libraries specializing on education wil want the elaborate 370 skeme but may not need to carry clasification of other subjects beyond 3 figures; electric enjineers may hav no use for 370, but wil need all details of 621.3, with only 3 figures for other subjects.

This brief account has probably faild to meet sum objections which may be raizd and could eazily be anserd.

Tho much elaborated and in sum few points alterd, the essential caracter of the plan has remaind unchanjed from the first. Revision and expansion constantly in progress involv many new interrelations. As extensiv advance testing of new skemes is not always posibl, practical applications ar sure to develop unnotist faults. Clasifyers ar therefore askt to uze new tables criticaly and report defects of any kind, with proposed remedies and any needed subdivisions, also any heds needed for the Index. All such criticizms ar a decided help and favor.

Aknowlejments

The labor on Clasification and Index has been wholy beyond appreciation of any who hav never attempted a similar task.

In his varid reading, correspondence and conversation on the subject, the author has doutless recievd many sugjestions and gaind ideas which it is now imposibl for him specificly to aknowlej. The *Nuovo sistema di catalogo bibliografico generale* of Natale Battezzati, of Milan, adopted by the Italian publishers in 1871, tho he copid nothing from it, more than any other singl sistem stimulated his study of the problem. The plan of the St Louis Public School Library and that of the Apprentices' Library of New York, which in sum respects resembld his own, wer not seen til all essential features wer decided on, tho not givn to the public. In filling the 9 clases of the skeme, the inverted Baconian arranjement of the St Louis Library was followd. The author has no wish to claim orijinal invention for any part of his sistem where another has been before him, and wud gladly make specific aknowlejment of every aid and sugjestion wer it in his power. Tho at its start a litl book, it came not forth except by grievus labor.

Much valuabl aid has been renderd by specialists, who hav assisted greatly in developing tables. Amung these ar many wel-known skolars, and to all most cordial aknowlejment is made. Without such assistance, the present development cud not hav been attaind, for many minds wer necesary to supply teknical and special lerning absolutely essential in filling minute heds. Indeed, in many subjects the author's share has been limited to modification necesary for teknical adjustment to his skeme, of material prepared by specialists. To many prominent librarians we ar indetted for valuabl sugjestions and appreciativ criticizm.

While these frends ar in no way responsibl for any remaining imperfections, they shud hav credit for many improvements made in these 54 years of revision, during the 1st 3 of which the skeme was kept in manuscript, that its many details myt be subjected to actual tryal, and modifyd where improvement was found practicabl.

We ar under deep obligation to Institut International de Bibliographie for its great volume of valuabl work, covering almost the whole ranje of subjects, and also for its advice and criticizm during progress of our own expansions. To Dr C W Andrews, John Crerar librarian, Chicago, and to American Library Association clasification committee, of which for past 10 years he has been chairman, we ar greatly indetted for interest and advice.

W S Biscoe From 1st publication to the present, the most extended and valued assistance has cum from my colej clasmate, associate and frend, Walter Stanley Biscoe, my 1st assistant in Amherst College Library, in charj of which he succeeded me, resyning to accept again in 1883 the place next me in Columbia College Library, and again resyning in 1889 to becum librarian in charj of clasification and catalogs in New York State Library. This book is witness to the rare unselfishness with which he has givn time taken from rest and recreation to this work, in which he shared my interest and faith.

May Seymour Except a year in charj of clasification in the Osterhout Library she was with me 34 years, from her entrance to the 1st Library School clas in 1887 til her deth, June 14, 1921. At New York State Library, clasification was her department til she was made director's assistant. For 32 years every item of work on new editions past thru her hands. For each of editions 4–10 she did all editorial and much constructiv work, secured expert cooperation, cald attention to faults or omissions, and sought the best availabl compromize where doctors disagreed, devoting to this vast labor rare skolarly industry and a loyalty for which no words of thanks can be adequate. She shared my faith in its immense usefulness, did the hardest work, and deservs the gratitude of all who profit by this invaluabl laborsaver. I often askt that her name appear on the title-paje of the book to which she gave so much, but she persistently refuzed.

Her place as editor was taken by one of her own choosing, Dorcas Fellows, who more than anyone else had workt closely with Mis Seymour for 25 years, and who wil giv future editions the benefit of cumulativ experience in which she so larjly shared. D C uzers ar congratulated that Mis Seymour's position is held by the one whom she herself chose as best adapted to carry on her work. For 5 years past her hedquarters hav been in New York State Library at Albany, which has long been regarded by many as D C's library home, but recent developments in relations of American Library Association, Library of Congress and Decimal Clasification hav resulted in an invitation from L C to D C to make its home henceforth at that Library, where, most appropriately,

D C's servis to American libraries, which is the chief factor in its work, wil be coordinated with undertakings previusly instal l by the national library, extending stil further the latter's alredy great servises to the libraries of the cuntry at larj.

Future of D C

Mis Seymour had a stedily growing wish to make D C a permanent force for education, by greatly improving its ful, short and outline editions, and by printing cheap special editions (indext) for many prominent divisions; e.g. education, medicin, enjineering, agriculture. As a memorial to her, all copyryts and control of all editions hav been givn to Lake Placid Club Education Foundation, in establishing which she had been warmly and activly interested, and which was charterd by the University of the State of New York, Jan. 26, 1922, with these objects:

'as an educational institution, to restore to helth and educational efficiency teachers, librarians and other educators of moderate means, who hav becum incapacitated by overwork; to establish, maintain and aid skools, libraries or other educational institutions, specialy at Lake Placid; and to institute, organize or foster other movements to advance public welfare thru education, by means of the Foundation pres, conferences, forums, addresses, gyded reading, and similar ajencies'.

To this Foundation was at once givn all voting stok and surplus of Lake Placid Co. which owns the 10,000 akers and 391 bildings of Lake Placid Club, thus assuring permanent financial support, which has alredy been further increast by gifts and bequests from interested frends. Under Foundation auspices future editions of D C wil be publisht, on absolute condition that entire reciets abuv necesary expenses be uzed forever solely for improving D C and extending its usefulness, thereby preventing posibility that the work shud ever be made a source of either individual or institution profit. A committee on D C, consisting of the most interested Foundation trustees, in consultation with committees of American Library Association and Institut International de Bibliographie, wil insure observance of the abuv condition.

D C has becum an international laborsaver. It therefore justly belongs to its uzers as a whole. All who contribute to the stedy improvement of future editions may kno that they ar helping to make stil more useful a sistem which is so greatly helping stedily increasing thousands scatterd all over the civilized world.

MELVIL DEWEY

LAKE PLACID CLUB N Y
Dec. 10, 1926

Previus editions hav been dated Amherst College Library, June 10, 1876; Columbia College Library, Aug. 10, 1885, and Aug. 30, 1888; New York State Library, Dec. 25, 1890; Lake Placid Club, Ap. 10, 1911, Ap. 10, 1913, Oct. 1, 1915, Aug. 11, 1919, and Aug. 31, 1922.

SIMPLER SPELING REAZONS AND RULES

Reazons

[1]Uzers of the Decimal Clasification ar entitled to kno why the author feels compeld to recognize practicaly the urjent claims for reform in English speling, by adopting enuf of many needed chanjes to call every reader's attention to the crying situation.

Many wil be annoyd and sum wil ridicule, but since 1872 I hav constantly studid, with very unuzual opportunities, the need and practicability of this reform. From its founding in 1876 at the Philadelphia Centennial, I hav been secretary of the Speling Reform Association. I servd several years on the advizory committee on speling and pronunciation for our greatest and best English dictionary, the Standard. While executiv offiser of the University of the State of New York, which has charj of all hyer education, I uzed my great opportunities for studying relations of speling to education. As a trustee and on its Executiv Board I hav shared activly from its orijin in Simplifyd Speling Board work, to which Andrew Carnegie gave (up to his deth) $10,000 to $25,000 yearly to spred correct knowlej about English speling and the great need for its improvement. I also servd on the National Education Association committee which, jointly with committees of the American Filolojic Association and Modern Languaj Association, during 10 years careful study made the key alfabet now uzed in the entire series of Standard dictionaries and in all books based on them. I was president of the Efficiency Socyety and also of the National Institute of Efficiency, and chairman of the committee of each on 'Efficiency in English writn and spokn'. It is therefore not an advocate of a new fad who speaks, but one who has for over 50 years kept in tuch, personaly and by correspondence, with others studying this matr, not only in many American states but also in Canada, Great Britain, India and Australia, and with many in non-English speaking cuntries.

In the past ½ century the most competent jujes hav cum to almost unanimus agreement as to imperativ need for radical improvement. On this point great universities, editors of all great dictionaries, leading educators of the English world, and recognized leaders amung students of English all agree. It has been publicly stated in larj meetings of languaj skolars that there was no recognized authority on English living who did not now believ in the urjent need of speling reform.

But as to the best *method*, there ar 3 skools with their varius combinations. All agree that there is only 1 entirely satisfactory goal; i.e. just 1 distinct syn for each of 40 distinct sounds, and just 1 sound for each of these 40 syns. But we now hav over 500 simbols or combinations to represent these 40 sounds. 'Shay' has only 2 simpl sounds. The

[1] See note on spelling of Ed 14 on back of title-page

sh is speld in 20 ways and the *a* in 24 ways; i.e. this simpl word of only 2 sounds may be speld 480 ways in exact analojy with other English spelings. Webster's *Dictionary* says Shakspere's name was speld 30 ways; the Mainwaring family records sho 130 variations in their name; and A. J. Ellis made over 6000 spelings of 'scissors', all justifyd by dictionary analojies. Booker Washington told me that they wud not graduate from Tuskegee one who cud not spel and pronounce correctly this sentence: 'Though the rough cough and hiccough plough me through I ought to cross the lough'. We markt agenst each letr all the different ways of pronouncing it in English. By simpl permutation this showed over 16,000,000 ways in which this sentence cud be pronounst. Then we markt agenst each sound all the different ways of speling it and proved that there wer 66 decillion (66,000,000,000,000,000,000,000,000,000,000,000) ways of speling the sentence, each justifyd by analojy. Yet he was soliciting money to teach those poor colord students just which of this infinit varyety must be uzed, before he cud graduate.

One group believs in ading 6 new consonants for *ch*, *ng*, *sh*, *zh*, *th* and *dh*, and 11 new vowels; for as *c*, *q* and *x* duplicate *s*, *k*, *kw* and *ks* or *gz* we hav only 23 letrs toward the 40 needed in a perfect English alfabet. These letrs wud then be uzed with as invariabl meanings as arabic numerals and we shud be rid of varius devices for expressing sounds for which we hav no distinctiv letr; e.g. for the word 'fyn' we ad *e* to 'fin' and say that 'servil e' is silent where writn, but means that the *i* in erlier part of word is not *i*, but the difthong *ai*, combined of the sounds of *a* in 'ar' and *i* in 'it'. This is exactly analogus to writing 4537 and saying that 7 is silent but means that the 5 is realy 9, so the number is 493. We ar so uzed to these absurdities that we recognize their folly only when translating them into an exactly similar case with arabic numerals.

When these wer introduced into English the identical arguments put forward today agenst syentific speling wer urjd agenst the stranje arab caracters. Men said, 'Every child knows at a glance that V is five, but who cud understand ۵?' which they printed lying on its face.

No one questions that *complete* reform is best. Most skolars, however, think it impracticabl to do it all at once except amung a limited clas, becauz of difficulty of introducing new letrs on typwriters and for printers. We hav evolvd *i*, *j* and *y* from 1 letr, and *u*, *v* and *w* from *v*, and skolars say we shal in time, in same way, evolv the other new letrs needed.

The Simplifyd Speling Socyety of Great Britain attempts to solv the problem without any new letrs by uzing digrafs, as we hav alredy dun for *ch*, *ng*, *sh* and *th*. This has the advantaj that every typwriter and printer is fully equipt for new speling. It has the great disadvantaj that it lengthns many words and offends the eye much more than new letrs. It is as absurd to use *c* and *h* to represent a sound which has neither *c* nor *h* in it as it wud be to uze 74 to represent 5.

The Simplifyd Speling Board (American), supported by Andrew Carnegie til his deth and now working on its own resources, decided that the most practical plan was to list a limited number of most needed chanjes, to urj for immediate jeneral adoption, thus expediting the stedy growth toward syentific speling shown by the history of English. This method is eaziest but involvs glaring inconsistencies; e.g. it drops 1 of dubl consonants final in most cases, speling *mis*, *dol*, *tel*, but leavs *all*, *roll*, *hiss*, *off* becauz they wud be mispronounst by most peopl if shortnd.

1 word is speld perfectly like ' fel ', perhaps the next is improved in only 1 silabl like ' acquisitiv ', and the next may be worst of the 3 and not chanjed at all becauz we lak necesary new letrs, e.g ' functioning'. S S S (English) is *consistent*, for it spels each word foneticly, and this entire consistency appeals to sum so much that they endure longer awkward forms. S S B (American) offends the eye much les and *shortns* nearly every word it chanjes, but has the fault of incompleteness.

The 5 reazons for speling reform ar:

1 **Disgrace** of having what experts agree is the most illojical, unsyentific, unskolarly and altogether worst speling of any languaj in the world. While this greatly discredits the peopl that hav becum greatest in all history, it is least of the 5 reazons.

2 **Criminal waste of money** Careful count of many English selections shows that 15% or 1/7 of the letrs wud be saved by strictly syentific speling. This means waste of 1/7 total cost of everything connected with writing or printing English: stationery, time, composition, proofreading, paper, ink, preswork, binding, transportation. Not only ar these countless billions wasted each year, but there is enormus waste of time in hesitating as to ryt speling, consulting dictionaries, interrupting train of tho't, which fairly translated into money makes a staggering total.

3 **Criminal waste of skool time** A committee of expert educators, after munths of consideration, agreed that on the skool life of a child going from kindergarten to university we cud save 3 years if we cud eliminate speling books and everything connected with them, as is dun in completely fonetic cuntries, where speling is merely pronouncing a word letr by letr, so anyone can spel if he can speak. This waste is not alone in speling clases, for in all other studies speling is a continual handicap and wastes time not only in skool days but all thru life.

4 **Adling brains** Any student of child sykolojy knows that one cud hardly devize a more dedning process to a normal brain than to teach such words as *bone*, *done*, *gone; love*, *move*, *rove; lose*, *close;* or, worst of all, *Though the rough cough and hiccough plough me through I ought to cross the lough.* If the brain works normaly the child surely pronounces the vowels of the later words like the 1st. If 'though' is 'tho', surely 'rough' is 'ro' and 'cough' is 'co'. Long before he reaches the 8th word he is

redy to bcliev any absurd thing that is told him, and finds in English it is a matr of personal introduction to each individual word before there is any safety as to how it may be speld or pronounst. Ex-president Hill, of Harvard University, declared that no man ever had or ever cud spel and pronounce every word of English correctly, as it was beyond human posibility to becum intimate enuf with all the ½ million words in the latest dictionaries.

An associate city superintendent of skools in New York says:

'Next to lerning by imitation, the child must be taut to lern by association and analojy. He develops strength of mind by exercize of jujment. He must reazon from known facts in the solution of his litl problems. If he cums to a new printed word and halts, the teacher asks him to think of the oral word for which it stands. Having lernd that 'puff' and 'muff' stand for wel-known oral words, he is staggerd at 'rough' and 'enough', frequently uzed in conversation. Having lernd that these caracters stand for wel-known spokn words which he wrote 'ruff' and 'enuff' from his knowlej of 'puff' and 'muff' he is again confuzed when the teacher tels him that 'dough' is the speling of the wel-known word his mother uzes when speaking about bred-making, and that 'cough' stands for the malady so prevalent in the nursery during winter time.

The staje of the child's tuition during which all the similar incongruities of our speling must be masterd, occupys many years of skool life, and the process has wel-ny produced a disbelief in reazon as a means of lerning, and a total lak of confidence in inference. The result of falling into absurd and ridiculus situations thru exercize of his jujment appears in a hesitancy or fear of drawing any inferences upon data relating to other fields of knowlej. The child has lost faith in his own conclusions with respect to problems in arithmetic, biolojy, jeografy, history etc. To what extent of subject matr and time the skool child has sufferd irreparabl los, by failure to aquire confidence in exercize of his jujment as a result of his erly stultification during process of lerning to master speling of common words, may never be determind.'

5 **English as world languaj** Except for its scandalusly complex speling, English is betr fitted than any other languaj for universal use. It is practicaly grammarless. Pedants hav sadld us with an adaptation of Latin grammar which is almost useless. English has strength, simplicity, conciseness, capacity for taking words freely from other tungs, and best of all has the greatest literature the world has yet produced. Great German filolojists hav said 'it is lucky for the rest of Europe that the English do not realize that only its absurd speling stands between their languaj and crly world empire'. If we chek over the past 5 centuries the growth of English is astounding. Once Portuguese with its great Brazilian cuntry had sum chance, or Spanish with South America, but French came to be the languaj of diplomacy and more than any other the world languaj. Each century Germany, with its hy birth rate, gaind rapidly, and it soon past France. Russia with its countless millions came in as a leading competitor, but each century the most significant and remarkabl

growth was English. Long it was English, German, French; then English, German, Russian. The World war sadly handicapt all other competitors just when it greatly improved the position of English. 3/5 of the world's business mail is now in our languaj and this ratio grows yearly. Recent prominent French jurnals hav frankly publisht to their peopl *the need for every Frenchman to lern English* becauz it was alredy the world's business languaj and rapidly growing. The far-syted Carnegie made his great gifts for simplifyd speling for 2 chief reazons. He had givn the Peace Palace at the Hague, and recognized that a common tung was the greatest protection agenst war. His study of history taut him that race, color, relijion and jeografic location had les influence than a common tung in binding peopl together. Our fraze, ' He doesn't speak the same languaj ', indicates hopelessness of agreement. He knew that no force wud contribute so much to world peace as spred of a common tung. He knew that this wud carry Anglo-Saxon ideals of liberty and tolerance thruout the world. The canny Scot knew also that it wud do more than all else combined to extend and strengthn our commerce.

Can anyone not blind to human welfare face these undouted facts and not feel *bound* to help on wherever practicabl a reform that many educators and publicists recognize as more important and as having more far-reaching results for America and the world than any other? The solution to most of our social problems lyz not in lejislation and police, but in *education of the masses* so that they wil *kno and prefer the ryt.* Such education must be *chiefly thru reading*, for the great mas of peopl can be in skool only long enuf to lern to take from the printed paje the author's meaning. Their real education must be not in the few skool days in youth, but all thru life and cuming chiefly from reading books, magazines and papers. Those who believ in working for a betr world must see that the 1st great step is to take from the path of education this greatest stumbling blok, for our speling not only wastes millions of years for every jeneration, but dedns and dwarfs childhood's brain by its gross absurdities. Can anyone not a selfish moral coward, knowing these facts, refuze to help get rid of the incubus by uzing at least a few of the shortr, betr forms in his own writing?

Disregard of pedants rules Thomas Jefferson said ' Where strictness of grammar does not weakn expression it shud be attended to, but where by small grammatical neglijences the enerjy of an idea is condenst or a word stands for a sentence, I hold grammatical rigor in contempt '.

Study of the past 5 centuries shows how greatly English has been simplifyd and improved and how absurd is the frequent comment of those ignorant of the life history of English that ' languaj can't be chanjed by conscius efforts of its uzers '. Of thousands of improvements made in the last 500 years every one was *uzed 1st* by sumone who saw the need and had the moral curaj to be a pyoneer and disregard rules of pedants of

his day. The greatest need of the English world is to simplify its languaj, specialy in speling, so it may be uzed by all nations. It is disgrace to be blind to the facts or to be too cowardly to uze sum at least of the needed chanjes and so risk criticizm or ridicule of the ignorant. The great function of English is to *convey author's tho't clearly and compactly to reader's mind.*

Arabic figures ar the simplest simbols known to man. It is silly to write out 'eighty-eight' or 'LXXXVIII' for the simbol 88, or to write 'three hundred seventy-eight' with 24 letrs when 378 is 1/8 as long and vastly clearer. Modern pressure for space and economy has led many prominent jurnals to substitute figures for words, but most of them stil fear the silly pedants dictum that figures must not begin a sentence. But figures ar winning their way, specialy in hedings, and our descendants wil wonder at our stupidity which so long prevented ful use of 1 of the world's greatest laborsavers. It is like continuing wigwag signals after invention of telefone and wireless.

37 years ago I advocated dropping useless *al* from *academical*, *grafical* etc. Persistent use was copid by others til now many of our best writers avoid the foolish *al* and get stronger as wel as shortr words. When ading adverbial *ly* we shud stil omit *al* and say *graficly*, *academicly* etc. In fact very few peopl pronounce the *al* in common speech. If we adopt Thomas Jefferson's standard we shud expedite greatly many needed improvements in our great mother tung.

Consistency This is the hobgoblin bugbear of litl minds. If a printer sets typs which realy shud be omitted or chanjed we often avoid expense of correction; for consistency with other spelings is les important than to break down by combined efforts of skolars and men of affairs the immense and stubborn, pedantic, foolish prejudis which sees sumthing sacred in the common speling of a word, while it thinks litl of constant variations in its pronunciation. Many who wud gladly help the cauz ar too busy with larj affairs to spend time in looking up rules. They shud simply spel betr whenever they think of it and not be trubld if on the next paje they forget to simplify. Hav Thomas Jefferson's curaj and hold pedantic consistency in contempt.

Conciseness We shud uze shortest forms of expression consistent with clearness. The 2d forms belo ar as much stronger and betr as they ar shortr:

this has been found to be an encurajment to good work — this encurajes good work
extend an invitation — invite
take into consideration — consider
the purchase of — bying
purchasing ajent — byer
a larj number of — many

due to the fact that — becauz
sum of $10,000 — $10,000
in a prudent manner — prudently
put in an appearance — appear
the twenty-eighth day of May in the year of our Lord one thousand eight hundred and ninety-nine — 28 May 1899 (*79 vs 9 typs*)
it is often the case that authors fail — authors often fail
giv the boundaries of — bound

Can it be dun? Absurd spelings like old 'fysshe' and 'dogge' for 'fish' and 'dog' ar slufing off useless letrs as a tadpole loses its tail, or as scum rizes from boiling sap in a maple orchard. Samuel Johnson in 1755 printed a dictionary which greatly delayd this natural process. Uzing neither rime nor reazon he embalmd in a book, with the weight of his great name, simply the usaj of London printing offises, which wer run almost wholy by Dutch and German printers, many of whom knew no English. He laid down as a sacred law, '*Uphill* with 2 ls' but '*downhil* with 1', and endless similar absurdities, at which we laf, but we hav made 'downhill' as difficult as his 'uphill' and stil look askance at one who spels 'til' as he does 'until'. Our greatest filolojist, William D Whitney of Yale, editor *Century dictionary*, wrote to our 1876 International Conference on Speling Reform a concise statement which has been very often reprinted, and I think never questiond by any competent authority: 'The true and sole offis of alfabetic writing is correctly to represent spokn speech'. Writing is attempt to convey to 1 at a distance (either in space or time) what wud be spokn to 1 close at hand, and therefore writn word shud represent spokn word as exactly as posibl.

Many chanjes wer merely corruptions resulting from slipshod pronunciation and lak of accurate speling, which wud hav been a relyabl gyd. Always many chanjes ar inevitabl in any languaj, as its words and idioms gro, dy or chanje, in pronunciation, speling and meaning. To continue old spelings after words hav chanjed is as absurd as to continue old price quotations insted of following the market. Englishmen ar conservativ but we hav substituted (tho only long after other nations) arabic numerals for the clumsy I, V, X, L, C, D, M; we hav a reazonabl and uniform way of writing music; we ar soon (again last of civilized nations) to uze international metric mesures, thereby saving countless millions. Practical business wil not much longer endure the costly tirany of the ½ educated and wholy unbusiness-like and inefficient pedant. So if the intelijent wil do their duty we shal expedite greatly the stedy growth of English toward simplicity, strength and efficiency. That infinitly desirabl process can be bro't about only by pyoneer adoptions by those who hav both knowlej of the great need and curaj to lead in a cauz bound to be unpopular with those ignorant of fonolojy and of the vitaly important reazons which hav

compeld all dictionary makers and great English skolars to declare in favor of simpler speling.

It is sumtimes askt why, if editors of the great dictionaries favor simpler speling, the dictionaries themselvs uze it so slytly (tho latest edition of *Webster* has 3000 more simpler forms). This anser is givn by the *Standard:* 'The chief function of a dictionary is to record usaj, not, except in a limited degree, to seek to create it'. Consequently it is not til a word or form has made its way into sumwhat common acceptance that it can look for dictionary recognition. Other cases where the interest which myt be expected *seems* to be lacking on part of simpathizers ar those of authors, educators and men of affairs, who, if left to follo their own jujment and preferences, wud gladly uze simpler spelings but who ar prevented from doing so by official connections or rules of their publishers.

Rules

We print belo 7 of the best known codes, for convenient reference when one wishes to decide with what chanjes he wil start his betr speling. All wil doutless uze the 12 words and most wil be glad to adopt S S B 30 words, chozen with great care by leading skolars as the best small beginning for the averaj man. These ar simply sampl words. S S B alfabetic rules represent expert jujment of distinguisht filolojists as to chanjes desirabl and practicabl to recommend for erly jeneral adoption. These ar followd by 18 rules, which comprize an erlier list and, forming the basis of the alfabetic list, larjly duplicate it but ar included here for convenience of those who wish a selection of the most important. A compact dictionary list of all English words coverd by S S B rules wil be sent on application.

The 5th code is our D C rules, uzed in adition to S S B rules, by those willing to pyoneer stil faster. The 6th code, a selection from U S Jeografic Board rules, and the 7th, the 10 joint rules of American and English filolojists, ar aded for reference and to sho by repetition in different codes how closely the best authoritics ar in harmony.

To all governd by *reazon* rather than by vizual *prejudis* the objection to simpler speling that 'it looks queer' will be more than offset by the arguments, both skolarly and practical, in its favor; while those who shrink from uzing simpler forms thru fear of being regarded iliterate may find curaj thru knowing that the movement is supported by the most eminent filolojic authoritics, and there wil be litl danjer that even the silliest of their correspondents wil bring the charj 'they don't kno how to spel', as result of their uzing simpler forms for such common and short words as **ar, giv, hav, shal, wer** and **wil.**

N E A 12 words

The National Education Association in 1898 adopted for use in all its official correspondence and printing the simplifyd spelings widely known as 'the 12 words', **catalog, decalog, demagog, pedagog, prolog, program, tho, altho, thoro, thorofare, thru, thruout.** In 1916 it adopted rule to simplify *ed* to t when so pronounst, in past tenses of verbs.

Simplifyd Speling Board 30 words

This list was chozen with special reference to correspondence, and includes the 5 typ-words, **catalog, program, tho, thoro, thru,** of the 12 words adopted, as noted abuv, by the National Education Association in 1898, for use in all its official publications and correspondence.

ad	buro	fixt	reciet	(al)tho
addrest	catalog	giv	reciev(d)	thoro(ly, -fare, etc.)
anser (d)	det	hav	shal	thru(out)
ar	engin	insted	shipt	twelv
askt	enuf	liv(d)	tel	wil
bil(d)	fil(d)	program	telefone	yu

S S B alfabetic rules

æ, œ, initial or medial. Spel **e**; e.g. **esthetic, medieval, fenix, maneuver, subpena**; but **alumnae, striae** etc.

æ, œ ar now uzualy writn **ae, oe.** Other cases of **ae, oe, medial,** as in **canoeist, Gaelic** etc. ar not affected

bt pronounst **t.** Drop *silent b;* e.g. **det, dettor, dout, indetted, redout**

Retain **b,** if pronounst, in **subtil(e)**

ch pronounst like **c** in **car.** Drop *silent h* except before *e, i, y* [or uze **k**]; e.g. **caracter, clorid(e), corus, cronic, eco, epoc, mekanic, monarc, skolar, skool, stomac**; but **architect, chemist, monarchy,** or **arkitect, monarky**

dubl consonant before *e final silent.* Drop last 2 letrs; e.g. **bagatel, bizar, cigaret, creton, crevas, gavot, gazet, giraf, gram, program, quadril, quartet, vaudevil**

dubl consonant final. Reduce dubl to singl, but in *-ll* only after a short vowel, and in *-ss* only in monosilabls; e.g. **ad, bil, bluf, buz, clas, dol, dul, eg, glas, les, los, mes, mis, pas, pres, shal, tel, wil,** but not *al* for **all,** *rol* for **roll,** *needles* for **needless,** etc.

Retain **gross, hiss, off, puss**

e final silent. In the following cases drop **e**:

a) After a consonant preceded by a short vowel strest; e.g. **bad** (bade), **giv, hav, liv, centiped** (when so pronounst)

b) In **ar**(*e*), **gon**(*e*), and in **wer**(*e*) when not pronounst to rime with 'there'

c) In the unstrest final short silabls **ide, ile, ine, ise, ite, ive,** pronounst as if speld **id, il, in, is, it, iv**; e.g. **activ bromid, comparativ, definit, determin, examin, favorit, hostil, infinit, iodin, nativ, opposit, positiv, practis, promis, textil**

This **id, il, in, is, it, iv** group shud be chanjed 1st, as the long spelings constantly mislead to vulgar mispronunciations like *positiv, infinit, favorit* etc.

The ordinary use of **e final** after a singl consonant is to indicate that the preceding vowel has a pronunciation different from that which it wud normaly hav if the consonant in question wer final, as in **bar, bare; hat, hate; her, here; them, theme; sir, sire; bid, bide; con, cone; run, rune.** Hence the **e final** is retaind in such words as **arrive, care, fine, mile, polite, ride, rode,** and also in **bromide, iodine** etc., when pronounst with the **i** of **line, side**

d) After **lv** and **rv**; e.g. **involv, resolv, twelv, valv; carv, curv, deserv, serv**

e) After **v** or **z** when preceded by a digraf representing a long vowel or a difthong; e.g. **achiev, believ, freez, gauz, leav, sneez**

f) In **oe final** pronounst **o**; e.g. **fo, ho, ro, to, wo**

Retain **e** in inflections **-oed, -oes**; as **foes**, not *fos*, **hoed**, not *hod*

ea pronounst as in *head* or as in *heart.* Drop the silent letr; e.g. **bred, brekfast, hed, helth, hevy, insted, lether, plesure, welth, wether; hart, harty, harth** [except in case of derivativs where it wud clearly be betr that pronunciation be made to correspond to root word than that speling be made to correspond to present pronunciation; e.g. **clean, cleanliness**]

ed final pronounst **d.** When the chanje wil not sugjest a wrong pronunciation, drop *silent e*, reducing a preceding dubl to a singl consonant; e.g. **anserd, cald, carrid, delayd, employd, examind, fild, followd, marrid, pleasd, preferd, robd, signd, sneezd, struggld, traveld, worrid, wrongd**; but not *bribd* for **bribed**, *cand* for **caned**; *changd* for **changed**, *fild* for **filed**, *pricd* for **priced**, *usd* for **used**, etc.

The **e** is retaind only in cases where it has by convention a diacritic use, to indicate a preceding long vowel, or, in case of consonants, **c** sibilant or **g** pronounst **j**

ed final pronounst **t.** When the chanje wil not sugjest a wrong pronunciation, spel **t**, reducing a preceding dubl to a singl consonant, and chanjing **ced, sced,** final, to **st**; e.g. **askt, fixt, helpt, indorst, wisht; addrest, kist, past, shipt, stopt, stuft; advanst, announst, commenst, invoist, notist; acquiest, effervest**; but not *bakt* for **baked**, *deduct* or *dedust* for **deduced**, *fact* or *fast* for **faced**, *hopt* for **hoped**, etc. (See note to preceding rule)

gh pronounst **f**. Spel **f**; drop *silent letr* of preceding digraf; e.g. **cof, draft, enuf, laf, ruf, tuf**

gh pronounst like **g** in **gas**. Drop *silent h;* e.g. **agast, gastly, gerkin, gost, goul**

gm final. Drop *silent g;* e.g. **apothem, diafram, flem, paradim**

gue final after a consonant, a short vowel, or a digraf representing a long vowel or a difthong. Drop *silent ue;* e.g. **catalog, dialog, harang, leag, sinagog**; but not *rog* for **rogue**, *vag* for **vague**, etc. *Tongue* spel **tung**

ise final pronounst as if speld **ize**. Spel **ize**; e.g. **advertize, advize, apologize, enterprize, franchize, merchandize. rize, surprize, wize**

mb final after a short vowel. Drop *silent b;* e.g. **bom, crum, dum, lam, lim, thum**; but not *com* for **comb**, *tom* for **tomb**, etc.

ou before **l**, pronounst like **o** in **bold**. Drop *silent u*, except in **soul**; e.g. **bolder, mold, sholder**

ough final. Spel **o, u, ock** or **up**, when pronounst as if so speld; e.g. **altho, boro, donut, furlo, tho, thoro; thru; hock; hiccup.** Spel **plow**

our final, with **ou** pronounst as a short (obscure) vowel. Drop **u**; e.g. **color, favor, honor, labor**

ph pronounst **f**. Spel **f**; e.g. **alfabet, emfasis, fantom, fonograf, fotograf, sulfur, telefone, telegraf**

re final after any consonant except **c**. Spel **er**; e.g. **center, fiber, meter, theater**; but not *lucer* for **lucre**, *mediocer* for **mediocre**, etc.

rh initial. Drop *silent h;* e.g. **retoric, reumatism, rithm, rom** (rhomb), **rubarb**

sc initial pronounst as if speld **s**. Drop *silent c;* e.g. **senery, sented, septer, simitar, sissors**; but **scatter, sconce** etc.

u *silent* before a vowel medial. Drop **u**; e.g. **bild, condit, garantee, gard, ges, gide, gild**

y between consonants. Spel **i**; e.g. **analisis, fisic, gipsy, silvan, sithe, tipe**

[We uze **y** for sound in **by** and so retain **y** in **syth, typ** etc.]

S S B 18 rules

1 When *ed final* is pronounst **t**, write it simply **t**, where chanje wil not sugjest incorrect pronunciation, as **askt, fixt, wisht** etc.; reducing a preceding dubl consonant to a singl consonant, as **blest, kist, dipt, dropt, stept** etc.; and chanjing *-ced* to **-st**, as **advanst, pronounst, rejoist** etc.; but avoid misleading forms like *bakt* for **baked**, *deduct* or *dedust* for **deduced** etc.

2 Chanje *ph* to **f** when so sounded, as **alfabet, fonograf, fotograf, sulfur, telefone, telegraf** etc.

3 Drop *e final* after *-lv* and *-rv*, as **delv, shelv, carv, curv, deserv** etc.; also in the endings *-ide, -ile, -ine, -ise, -ite, -ive*, unstrest, pronounst **id, il, in, is, it, iv**, as **bromid, oxid, hostil, textil, anilin, determin, examin, practis, promis, definit, favorit, opposit, activ, nativ, positiv** etc.; and at end of **ar**(*e*), **hav**(*e*), **giv**(*e*), **forgiv**(*e*), **misgiv** *e*), **liv**(*e*); becauz its normal use after a singl consonant is to sho that preceding vowel is long. Hence it is retaind in such words as **bare, brave, mile, fine, wize, polite, arrive**

4 When digraf *ea* is sounded as in *head* or *heart*, uze sounded letr and omit the other, as **helth, hevy, insted, tred, wether, plesant, hart, harth** etc.

5 Substitute **e** for digrafs and ligatures *ae, œ, oe, œ*, when *not final*, as **esthetic, medieval, fenix** etc.

6 When *ch* is pronounst like **c** in **car** drop *h*, except before *e, i* and *y*, as **caracter, clorid, corus. cronic, eco, epoc, arcangel, mecanic, monarc, scolar, scool, stomac** etc.; but **chemist, architect, monarchy** etc.

Rule 6 was later alterd to 'uze **k** or drop **h**', so we prefer **k** in **skool, mekanic, arkitect** etc.; for the asender **k** looks more like *ch* than does *c* and it is the form sure to be uzed in the end

7 Drop *silent h* from *initial rh*, as **rapsody, reumatism, rubarb** etc.

8 Reduce *ll final*, after a short strest vowel, to **l**, as **bil, dol, dril, dwel, fil, ful, fulfil, shal, tel, wil, wilful** etc.

9 Reduce *dubl final* consonants *bb, dd, ff, gg, nn, rr, tt, zz*, to a singl consonant, as **eb, ad, od, cuf, eg, bun, bur, whir, net, buz** etc.

10 Drop *-me* from *mme final*, as **gram, program**

11 Drop *-te* from *ette final*, as **cigaret, coquet, etiquet, omelet, quartet**

12 Drop *silent ue final* after **g**, as **catalog, colleag, dialog, pedagog, sinagog** etc.; except when **g** is preceded by a singl long vowel, as in **rogue, vague, vogue** etc. *Tongue* spel **tung**, Milton's way

13 For *-ough* substitute **o, u, of, ock, out** or **up**, according to sound, as **tho, thru, cof, enuf, hock, drout, hiccup** etc. *Plough* spel **plow**

14 Drop *silent b final*, as **crum, lam, lim, num, thum** etc.; except where omission sugjests incorrect pronunciation, as in **tomb, comb** etc.

15 Drop *e* from *ey final* unstrest, pronounst like short **y** final, as **abby, barly, chimny, donky, gally, trolly, vally, whisky** etc.

16 Substitute **z** for *s* in *-ise final*, pronounst as if speld **ize**, as **advertize, civilize, criticize, merchandize, rize, wize** etc.

17 Chanje *re final* after any consonant except **c**, to **-er**, as **center, fiber, meter, theater** etc.; but **lucre, mediocre**, not *lucer, mediocer*

18 Drop *u* from *our final* in words of 2 or more silabls, as **ardor, color, favor, honor, labor** etc.

Aded rules uzed in Decimal Clasification[1]

Supplementing S S B's short list of most needed chanjes we hav selected from its longer preliminary list and from the other best authorities a few more chanjes which we uze in order to familiarize readers with shortr forms sure to be uzed later.

[1] See note on spelling of Ed 14 on back of title-page

Besides chanjes in S S B rules we uzualy:

Spel **cud, wud** and **shud** for these constantly occurring words

Uze silabic **l, m, n** and **r** without the unpronounst vowel; e.g. *single* is not *singlee* or *singul* but **singl,** just as **prism** and **enthusiasm** ar not *prisum* and *enthusiasum.* Also omit preceding *obscure* vowel before silabic **l, m, n, r.** These 4 consonants partake of the nature of a vowel and so form silabls; **little** was pronounst **litel,** then **litul,** then **litəl,** and now simply **litl.** Many words ar going thru this same shortning. We hav no letr for this lo unstrest vowel which most peopl ignore. The *Standard dictionary* says it is 'reduced to a slyt vocalic resonance'. As the present vowel is misleading and we hav no letr for this very obscure sound it is betr to omit it and thus shortn the word. Peopl ar les likely to mispronounce this short form than the uzual speling; e.g. *pedal, metal, gambol,* ar not pronounst as speld, but more and more exactly like *peddle, mettle, gamble,* which ar correctly speld **pedl, metl, gambl.** For indicating minute shades of pronunciation in a dictionary our short speling wud not be enuf but it is ampl for all ordinary use

Uze **u** for *o* or *ou* pronounst as in **us;** e.g. **obvius, famus, cuntry, cum, handsum**

Uze **j** for *dg, dge* or *g,* pronounst **j** e.g **jujment, rij, jem** (except in propr nouns and adjectivs, and in old D C entries and for initial in Index)

Uze **y** with its very common sound in **by, my, reply** etc. for *eigh, igh, ei, ie, ui* and *uy*; e.g. for *height, might, pleistocene, replied, guide, buy,* we spel **hyt, myt, plystocene, replyd, gyd, by**

We often leav i—e, as in **bite, ride** etc. til later

Uze **k** for *ck* or *ch, medial or final,* if pronounst **k;** e.g. **bak, stok, skool, mekanic, epok, monark**

For the present we often leav **initial c,** as in **caracter**

Drop **w** from *ow final* pronounst **o;** e.g. **blo, flo. sho** etc., but retain in inflected forms, e.g **blows blown, blowing**

Drop any **silent** letr that is foneticly useless; e.g. drop **c** from **fascinate**

Drop 1 of **dubl letrs** that serv no use; e.g. **clas, curiculum, paralel,** but retain if short form wud mislead, as in **hiss, off**

Sumtimes we substitute **s** for *ce,* when it wil not sugjest wrong pronunciation, e. g. **offis, servis, prejudis,** but not *fens* for **fence;** also we sumtimes substitute **z** for *s* or *se,* as in **becauz, eazy, uzual,** but not in inflections, as in **rubs digs, egs** (**s** pronounst **z** is left in inflections becauz there ar so many, and chiefly becauz the *vocal organs force the* **z** *sound after voist consonants* **b, d, g, m, ng, v** as in **rubs, pads, digs, egs, hums, bangs, givs,** etc. *Trying* to pronounce *s* results in *rups, pats, diks, eks, humps, banks, gifs* etc.)

We leav many bad spelings where corrections as in similar words myt lead careless readers into mispronunciation; e.g. we omit **c,** a silly duplication of **k,** in **bak,** but leav it in **backer** becauz *baker* wud confuze with the bred man With only 23 letrs for 40 sounds we must make *only more obvius* needed chanjes and leav many inconsistencies til we hav the needed new letrs or modifyd forms to represent the other 17

U S Jeografic Board rules

Most chanjes made harmonize with rules uniformly uzed by U S Jeografic Board (and strongly reeommended for jeneral adoption) in officialy fixing propr spelings of jeografic names. Sum of these rules applyd to other words ar:

Pronounce vowels as in Italian and other continental European languajes, consonants as in English

C always **soft** (sounded **s**). Always uze **k** for **hard c**; e.g. **Korea, Dakota**; never *Corea, Dacotah*

We leav **initial c**, at present, in **cat, corus, cronolojy** etc., also **final c** in **grafic** etc.

G is always **hard**. Uze **j**, never *dj*, for **soft g** (**j** sound)

Ch always as in **church**; never use for *k* sound, e.g. spel **arkitect, caracter, corus, skool**

We keep **chemic** temporarily; **kemic** cums later

Never uze *ph* for **f** sound

Always pronounee **h** when uzed; e.g. **humor,** not *yumor*

Never uze *y* for vowel **i** when it has its propr sound as in other languajes (as in **pin, pique**); e.g. **limf, linch, simbol,** not *lymph, lynch, symbol*

Ei, with both short vowels pronounst respectivly as in **met** and **pin,** sound like **ey** in **they** and **prey,** or **a** in **fate**

Omitting useless *gh* in **sleig*h*, wei*gh*, frei*gh*t** etc. leavs betr spelings

Filolojists 10 joint rules

These wer made by American and English filolojic associations, including nearly all eminent skolars in English, after several years study by committees of their leading members. British and Americans jointly recommended these 10 rules as in the interests of real skolarship as wel as common sense:

1 **e** Drop *silent e* when foneticly useless, writing **er** for *re*; as in **liv*e*** (verb), **singl*e*, eat*e*n, rain*e*d,** *theatre* (**theater**)

2 **ea** Drop *a* from *ea* having sound of **e** as in **met**; e.g. **fe*a*ther, le*a*ther**

3 **o** For *o* having sound of **u** in **but,** write **u** in *above* (**abuv**), *tongue* (**tung**) and the like

4 **ou** Drop *o* from *ou* having sound of **u** in **but,** in *trouble* (**trubl**), *rough* (**ruf**) and the like. For *our* unaccented, as in *honour*, write **or,** e.g. **honor**

5 **u, ue** Drop *silent u* after **g** before **a,** and in nativ English words, and drop *final ue;* **g*u*ard,** *guess* (**ges**), **catalog*ue*, leag*ue*** etc.

[Do not drop **ue** when pronounst, as in **argue, value,** nor when preceded by **a** singl long vowel, as in **rogue, vague**]

6 **Dubl consonants** may be simplifyd when foneticly useless; e.g. **bailif*f*** (but *not* **hal*l*** etc.), *battle* (**batl**), *written* (**writn**), **travel*l*er**

7 Chanje *d* and *ed final* to **t** when so pronounst, as in *looked* (**lookt**) etc. unless the **e** affeets the preceding sound, as in **chafed** etc.

8 **gh, ph** Chanje *gh* and *ph* to **f** when so sounded; e.g. *enough* (**enuf**), *laughter* (**lafter**) etc.; *phonetic* (**fonetic**) etc.

9 **s** Chanje *s* to **z** when so sounded, specialy in distinctiv words and in *-ise;* e.g. **abuse** (noun), **abuze** (verb), *advertise* (**advertize**)

10 **t** Drop *t* in *tch*; e.g. **ca*t*ch, pi*t*ch** etc.

Comments

Rule 1 givs us **l, m, n** and **r** as silabls without the useless *e* which no authority pronounces as writn; e.g. **singl, eatn**

Rules 3 and 4 giv us **u** for *o* and *ou* pronounst like **u** in **us**; e.g. **cum, handsum, obvius, perilus**

Rules 3, 4, 9 and 10, while not in S S B short list, ar fully approved. It was merely choice of *which* chanjes to make 1st with those who havn't the curaj to make all at once. When all leading skolars of the English world, including editors of all great dictionaries, recommend shortr forms, why shud we continue to write the worse than useless letrs? Every child and forener who has lernd **rave, wave, dive, alive** etc. is sure to pronounce **hav*e*, giv*e*** and **liv*e*** (verb) wrong unless we omit the useless *e*.

Sugjestions

We shud be glad to hav any practical sugjestions, but to save time and gard agenst elaborate presentation of varius fine spun theories, we ad that we hav wacht for many years the results of elaborate and wonderfuly delicate experiments in our best sykolojic laboratories. We hav red carefuly all the ' arguments ' that sum wil deduce for retaining certain useless letrs. But these refinements, while very interesting to the specialist, hav no practical bearing whatever on languaj as the greatest tool with which man works. Its function is to convey meaning clearly, as quikly and cheaply as posibl. Microscopic verbal milinery has no propr place in this vast enjin. When one tels us that he has proved that *o* is uzualy pronounst with a slyt vanish which cud be represented by *w* we admire his observant analisis, but when he wishes to argue that we shud therefore ad *w* to *go* we hav no time for his vagaries. To attach sum mark to sho every refinement which modern reserch cud establish wud result in sumthing quite too complex for daily use. Melville Bell's visibl speech was a marvelus invention but only an unbalanst mind wud advocate its use for infinit demands of daily life.

By evolution, not revolution, we shal stedily move toward the ideal, when the greatest languaj the world has yet seen wil hav 40 distinct syns for its 40 distinct sounds, and becauz of its manifold advantajes wil becum the common tung of the world, known in adition to his vernacular by every intelijent inhabitant.

LAKE PLACID CLUB N Y — MELVIL DEWEY

Dec. 10, 1926

INDEX TO INTRODUCTION AND SIMPLER SPELING

Superior figures indicate the part of paje in ninths; 1, 5 and 9 indicating top, middle and foot: 27^3 means ½ way between top and middle of p. 27

D C means *Decimal clasification*
C D " *Classification décimale*, the enlarjd French translation of D C
I I B " Institut International de Bibliographie
L C " Library of Congress
N E A " National Education Association
S S B " Simplifyd Speling Board (American)
S S S " Simplifyd Speling Soeyety (English)

Absurdities in speling 50^5, 55^{3-7}
Accession book, advantajes of D C for 24^9–25^1
Accession order, for book numbers 33^4
Accretion syn 41^5
Adaptability of D C 26^4
Aded entries 29^8–30^9
Adoption of D C by I I B 40^3
Advantajes of D C 24^6–27^4
Aknowlejments 46^5–48^1
-ai dropt 54^4
Alfabet, use of, for final subdivisions 38^5–39^2
Alfabet, perfect 50^5
Alfabetic arranjement, method in C D 42^9
Alfabetic caracters, new 50^{5-8}
Allyd subjects, sequence 16^7
American Filolojic Association, committee on key alfabet for *Standard dictionary* 49^5
American Library Association, clasification committee 47^3, 48^7; in relation to D C numbers on L C cards 8^1
Amherst college, library recatalogd 26^2
Analitic references 30^2
Andrews, C W, indettedness to 47^3
Arabic numerals, advantaj of uzing 26^5, 54^2; argument agenst 50^6
Arranjement of D C 27^7–28^1
Assyning numbers, directions 12^9, 28^3–32^5
Author numbers 32^7
Author tables, special 33^1

Basis of I I B revision 40^3
Bibliografic modifications 40^3–43^1
Bilding numbers 31^7–32^5
Biografy, treatment of 36^5
Biscoe, W S, time number sistem 33^2; valuabl assistance 47^3
Book numbers 32^6–33^7
Books, arranjement 1^3; how to find subject of 28^5–29^2
Bookstores, use of D C in 43^3
Broken order, advantaj of 39^3

Cachtitles, use of 16^9–17^1
Cards, arranjement 3^3, 23^8, 44^8
Carnegie, Andrew, supporter of simpler speling 49^4, 53^2
Catalogs 23^5–24^6
Cautions, in making variations 34^2
Chanjes, unauthorized, effect of 32^3, 34^2, 35^2
Charjing sistem, advantajes of D C for 25^6
Clas numbers, definition 15^4; how to assyn 12^9, 28^3–31^1; how to bild 31^7–32^5; how to read 27^5; in name catalog 23^6; in shelflist 23^7; number of figures uzed 31^1
Clases, divisions and sections 1^1; broken order 39^3
Clasification, labor of constructing sistem 12^5, 46^5; lak of uniformity 13^9; requirements of sistem 9^7; test of skeme 14^4; testing new skemes 19^1, 46^3
Clast catalog, arranjement 23^8; objection obviated 13^9–14^5; printed 23^9–24^1
Close clasing 15^9, 29^6, 31^{1-7}; ilustrated by history divisions 15^7; objection and compromize 31^6; requisit for bibliografers and specialists 40^8–41^2; value of 17^9–18^9
Collaborators 46^8–47^3
Colon, meaning 41^9–42^1; use 41^{2-3}
Conciseness, D C 10^5; English 54^8–55^2
Consistency in speling, not essential 54^5; of S S S 51^3
Consonants, new 50^5
Contractions for specialists 38^2
Coordination, preservd in D C 16^1
Copyryt restrictions 35^2
Cronolojy, use of, for final subdivisions 38^5
Cupling syn 41^6
Cutter numbers, advantajes 32^7

Dash, meaning in C D 41^6
Decimal clasification, committee 7^8, 48^6; essential feature 11^6; explanation of meaning 12^4; extent of use 10^9–11^6; future of 7^8, 48^2; labor of constructing 46^5, numbers on L C cards 8^{3-7}; orijin and growth 9^1–10^9; 46^5–48^1; practical test 9^8; priority of its invention 11^8; product of experts 14^5, 46^8–47^1; simplicity 12^1; speling rules 56^6, 60^9–61^9; variations 33^8–40^2
Decimal form of the sistem 12^1
Decimalism, use of 20^9–21^9
Dewey, Emily (Mrs Melvil Dewey) chairman D C committee 7^8
Dewey, Melvil, deth 7^2; interest in D C 7^{1-8}

Dictionary catalog 24[1]
Dictionary speling 56[1]
Differences between D C and C D 40[7]
Digrafs 50[4, 8]
Divisions 3[2]
Duplicates, *see* Sale duplicates

Editions 7[1]–8[3], 11[3]
Editorship 47[5]
Education, methods of 52[2]
Education of the masses 53[5]
Efficiency in English, committee on 49[6]
Endowment of special departments 26[6]–27[1]
English languaj, caracter of 52[7]; chanjes in 51[1], 53[9]–54[7], 55[2]–56[3]; conciseness in use of 54[8]–55[2]; purpose of 54[1], 63[6]; world languaj 52[7]–53[7], 63[9]
English speling caracterized 51[4]
Entries, aded 29[8]–30[9]
Equality syn, meaning 42[6]
Expansions 7[2-3], 7[9]–8[3], 19[1]

Fiction, treatment of 35[7]
Filolojic associations, rules 56[7], 62[5]–63[5]
Fonetic speling 49[9], 51[7]
Form distinctions, position 17[7]; use of 17[1]
Form divisions, uniform numbers 17[8]
Form syn 42[1]
Future of D C 7[8], 48

Heds 12[5]; choice and arranjement 16[6]
Hyfen, meaning in C D 41[6]

Ideal in speling 49[9], 50[7], 63[9]
Importance of speling reform 53[5]
Improvements (so-cald) of D C 34[2]
Inconsistencies in speling, D C rules 61[9]; S S B method 51[1]
Index 3[7], 10[3, 5, 7], 11[7], 12[3], 12[8]–14[9]; a dictionary catalog 24[4]; effect of chanjes in tables 34[3]; essential feature of D C 11[7]; fulness 12[8]–14[9]; ilustration of use 13[1-8]; labor of constructing 46[5]; plan of 27[9]–28[1]; scope 14[8]; sugjestions for uzing 27[9]–28[5], 32[5]; use of blakface typ 13[7]
Index rerums, use of D C for 44[5]
Index tables, appended 20[2]
Infinity simbol, meaning 42[4]
Institut International de Bibliographie, adoption of *Decimal clasification* 40[4]; extension of D C by 40[6]; obligations to 47[2]
International languaj 52[7]–53[4], 63[9]

Johnson's dictionary 55[3]
Jujment, exercize of 52[3]
Juvenil literature, treatment 35[8]–36[4]

Lake Placid Club Education Foundation 48[3]
Languaj, purpose of 54[1], 63[6]; universal 52[7]–53[4], 63[9]
Languaj and literature, combining 37[3]
Languaj colections 36[9]–37[2]
Languaj syn 42[6]
Letter notations for chanjes 35[3]
Letters, new 50[5]
Libraries uzing D C 10[9]–11[3]
Library of Congress cards, D C numbers on 8[3-7]
Literature and languaj, combining 37[3]

Masses, education of 53[5]
Minor subjects, disposition of 16[2]
Minute clasing, *see* Close clasing
Mnemonics, use of 19[4]–20[9]
Modern Languaj Association, committee on key alfabet for *Standard dictionary* 49[5]
Money wasted by English speling 51[5]

Name catalog 23[6]
National Education Association, committee on key alfabet for *Standard dictionary* 49[6]; 12 words 56[5], 57[1]
Naught, normal value of 15[5]; uzed for chanjed caracter of subdivision 15[6]; for form distinctions 17[2]; for jeneral works 1[1], 15[1], 17[2]; initial and final 37[8]–38[1]
Naught, dubl, meaning jeneral points of view 42[7]; subdivisions peculiar to a subject 42[2]
Nemonics, use of 19[4]–20[9]
New subjects, disposition of 16[5]
Notation 12[1]; simplicity 10[2]
Note books, use of D C for 45[5]
Note typ 18[4]
Numeration, method of 27[6]

Obligation, speling 53[5]
Order, of bibliografic simbols 43[1]; of clases, broken 39[3]; of subjects 16[6]

Pamflets, advantajes of D C for 25[1]
Paper, sizes 44[9]–45[4]
Paralel libraries, treatment of 36[8]–37[2], 37[5]
Parenthetic numbers, form 42[1]; place 42[5]
Pedants rules 53[8]–54[5]
Philolojic associations, rules 56[7], 62[5]–63[5]
Phonetic speling 49[9], 51[7]
Place syn 42[5]; use of 41[3]
Plus syn, meaning 41[5]
Points of view, jeneral, syn for 42[7]
Pro and con division of topics 39[8]–40[1]
Pronouncing correctly, imposibility of 52[1]
Pronunciation, variations in 50[2], 51[9]–52[6], 54[5]

Quotation marks, meaning 42[6]

Reazoning power dednd 51[9]–52[6]
Reazons for simpler speling 51[4]–53[7]
Recataloging or reclasifying, advantajes of D C in 26[2]
Reference library, treatment of 37[5]
Refinements in speling, theoretic 63[5]

Reformd speling, *see* Speling, simpler
Relation syn 41^{9}–42^{1}; usc 41^{3}
Relativ Index, *see* Index
Relativ location 21^{9}–23^{1}; need of 21^{9}–22^{1}
Revision of D C, basis of C D 40^{3}
Rules for simpler spcling 56^{4}–63^{5}

Sale duplicates, advantajes of D C for 25^{5}
School years wasted by English spcling 51^{6}, 52^{5}
Scrapbooks, use of D C for 44^{3}
Sections 1^{2}, 27^{6}; subsections 1^{5}, 27^{8}
Separates, proposed 45^{9}–46^{1}
Sequence, of allyd subjects 16^{7}; of bibliografic syns 43^{1}; of clases, broken 39^{3}
Sets of books 22^{8}, 30^{3}
Seymour, May 47^{5}
Shelflist 23^{7}; advantajes of D C for 24^{8}
Shelvs, advantajes of D C for 21^{9}–23^{1}, 24^{7}
Signs, I I B skeme 40^{9}–43^{1}
Simbol notations for chanjes 35^{2}
Simpler speling, *see* Speling, simpler
Simplifyd Speling Board, method of 51^{1}; rules 56^{5}, 57^{2}–60^{8}; supplemented by D C rules 60^{9}; supported by Carnegie 49^{4}; 30 words 56^{5}, 57^{2}
Simplifyd Speling Socyety 50^{8}, 51^{3}
Size, distinction by 23^{2}
Skool years wasted by English speling 51^{6}, 52^{5}
Small libraries, adaptability to 31^{1}
Social problems, solution thru education 53^{5}
Special colections, treatment 35^{7}–36^{4}, 36^{8}–37^{3}, 37^{5}
Specialists, use of D C by 10^{5}, 38^{2}
Specialties, influence on assyning clas numbers 30^{3}
Speling, simpler 49–63; agreement on need for 49^{7}; methods for attaining 49^{9}–51^{3}; reazons for 51^{4}–53^{7}; rules 56^{4}–63^{5}
Spcling correctly, imposibility of 52^{1}
Spcling variations 49^{9}–50^{4}, 52^{3}
Standard dictionaries, key alfabet for 49^{5}
Subject catalog, *see* Clast catalog
Subject Index, *see* Index
Subject references, advantajes of D C for 25^{9}–26^{1}; *see also* Aded entries
Subjects, sequence of 16^{7}
Sugjestions to uzers of D C 27^{5}–33^{7}
Summaries 1^{4}, 27^{7}
Syns, I I B skeme 40^{9}–43^{1}

Tables, index, appended 20^{2}; of clasification, plan of 14^{9}–15^{9}, 27^{7}; sugjestions for uzing 27^{5}–32^{5}; tentativ 18^{9}–19^{4}
30 words of S S B 56^{5}, 57^{2}
Time numbers 33^{2}
Time syn 42^{6}
Time wasted by English speling 51^{5}, 53^{7}
Topical indexes, use of D C for 45^{7}
Tuskegee Institute, speling and pronunciation requirement 50^{2}
12 words of N E A 56^{5}, 57^{1}
Typ, significance of small 18^{4}

Uniformity in clasification, how to gain 30^{7}; Index a gyd to 14^{3}
United States Jeografic Board rules 56^{7}, 62^{1}
Universal languaj 52^{7}–53^{4}, 63^{9}
Universality syn 42^{4}
Uses of D C 10^{1}, 43^{2}–45^{8}

Variations practicabl in D C clasification 33^{8}–40^{2}
View, jeneral points of, syn for 42^{7}
Vowels, new 50^{5}

Waste, *see* Money wasted; Time wasted

Zero, *see* Naught

FIRST SUMMARY

CLASSES

0 General works

1 Filosofy

2 Religion

3 Social sciences

4 Filology

5 Pure science

6 Useful arts

7 Fine arts

8 Literature

9 History

DIVISIONS

000	General works Prolegomena	
010	Bibliografy	
020	Library economy	
030	General cyclopedias	
040	General collected essays	
050	General periodicals	
060	General societies Museums	
070	Journalism Newspapers	
080	Polygrafy Special libraries	
090	Book rarities	
100	Filosofy	
110	Metaphysics	
120	Other metaphysical topics	
130	Phisiologic, abnormal and differential psychology Metapsychology	
140	Filosofic sistems and doctrins	
150	Psychology	
160	Logic Dialectics	
170	Ethics	
180	Ancient and Oriental filosofers	
190	Modern filosofers	
200	Religion	
210	Natural theology	
220	Bible	
230	Doctrinal Dogmatics Theology	
240	Devotional Practical	
250	Homiletic Pastoral Parochial	
260	Church: institutions and work	
270	General hist. of the church	
280	Christian churches and sects	
290	Nonchristian religions	
300	Social sciences Sociology	
310	Statistics	
320	Political science	
330	Economics Political economy	
340	Law	
350	Administration	
360	Welfare and social institutions	
370	Education	
380	Commerce Communication	
390	Customs Costumes Folklore	
400	Filology	
410	Comparativ	
420	English Anglo-Saxon	
430	German and other Teutonic	
440	French Provençal	
450	Italian Rumanian	
460	Spanish Portuguese	
470	Latin and other Italic	
480	Greek and other Hellenic	
490	Other languages	
500	Pure science	
510	Mathematics	
520	Astronomy	
530	Physics	
540	Chemistry	
550	Geology	
560	Paleontology	
570	Biology Anthropology	
580	Botany	
590	Zoology	
600	Useful arts	
610	Medicin	
620	Engineering	
630	Agriculture	
640	Home economics	
650	Communication Business	
660	Chemic technology	
670	Manufactures	
680	Mechanic trades	
690	Bilding	
700	Fine arts Recreation	
710	Landscape and civic art	
720	Architecture	
730	Sculpture	
740	Drawing Decoration Design	
750	Painting	
760	Engraving	
770	Fotografy	
780	Music	
790	Amusements	
800	Literature	
810	American	
820	English Anglo-Saxon	
830	German and other Teutonic	
840	French Provençal, etc.	
850	Italian Rumanian, etc.	
860	Spanish Portuguese, etc.	
870	Latin and other Italic	
880	Greek and other Hellenic	
890	Other literatures	
900	History	
910	Geografy Travels	
920	Biografy	
930	Ancient history	
940	Modern: Europe	
950	Modern: Asia	
960	Modern: Africa	
970	Modern: North America	
980	Modern: South America	
990	Modern: Oceania and polar regions	

General works

Limited to *none* of the 9 classes

000	**General works Prolegomena**	050	**General periodicals**
001	Knowledge and lerning in general	051	American
002	The book	052	English
003		053	German
004		054	French
005		055	Italian
006		056	Spanish
007	Activity in general	057	Slavic
008		058	Scandinavian
009		059	Other languages
010	**Bibliografy**	060	**General societies**
011	General bibliografies	061	American
012	Of individuals	062	English
013	" special classes of authors	063	German
014	" " forms: pseudonims etc	064	French
015	" " countries	065	Italian
016	" " subjects	066	Spanish
017	Clast catalogs	067	Slavic
018	Author "	068	Other countries
019	Dictionary catalogs	069	**Museums**
020	**Library economy**	070	**Journalism Newspapers**
021	Scope, usefulness and founding	071	American
022	Bildings	072	English
023	Government and servis	073	German
024	Rules for readers	074	French
025	Administration Departments	075	Italian
026	Libraries on special subjects	076	Spanish
027	General libraries Reports etc	077	Slavic
028	**Reading and aids**	078	Scandinavian
029	**Literary methods Laborsavers**	079	Other countries
030	**General cyclopedias**	080	**Polygrafy Special libraries**
031	American	081	Individual polygrafy
032	English	082	Collectiv polygrafy
033	German	083	Official publications
034	French	084	
035	Italian	085	
036	Spanish	086	
037	Slavic	087	For various classes of readers
038	Scandinavian	088	
039	Other languages	089	
040	**General collected essays**	090	**Book rarities**
041	American	091	Manuscripts Autografs
042	English	092	Block books
043	German	093	Erly printed Incunabula
044	French	094	Rare printing Privately printed
045	Italian	095	Rare binding
046	Spanish	096	Rare illustrations or materials
047	Slavic	097	Ownership Bookplates
048	Scandinavian	098	Prohibited Lost Imaginary, etc.
049	Other languages	099	Other rarities Curiosa

Filosofy

100 **Filosofy**
101 Utility
102 Compends
103 Dictionaries
104 Essays
105 Periodicals
106 Societies
107 Study and teaching
108 Polygrafy Maxims
109 History
110 **Metaphysics**
111 Ontology
112 Methodology
113 Cosmology
114 Space
115 Time
116 Motion
117 Matter
118 Energy Force
119 Quantity Number
120 **Other metaphysical topics**
121 Epistemology Knowledge
122 Cause and effect Causation
123 Freedom and necessity
124 Teleology Final cause
125 Infinit and finite
126 Consciousness Personality
127 The unconscious The subcon.
128 The soul
129 Origin and dest. of individ. soul
130 **Phisiologic, abnormal and differential psychology Metapsychology**
131 Mental physiology and hygiene
132 Mental derangements
133 Occult sciences
134 Hypnotism
135 Sleep Dreams Somnambulism
136 Genetic psychology
137 Individuality Personality
138 Physiognomy
139 Phrenology Mental fotografs
140 **Filosofic sistems & doctrins**
141 Idealism Transcendentalism
142 Critical filosofy
143 Intuitionalism
144 Empiricism Pragmatism
145 Sensationalism
146 Naturalism Materialism
147 Panthcism Monism
148 Eclecticism etc
149 Other filosofic sistems
150 **Psychology**
151 Intellect
152 Sense perceptions
153 Understanding
154 Memory and lerning
155 Imagination
156 Intuitiv faculty Innate reason
157 Emotions Sensibility
158 Motor functions
159 Wil
160 **Logic Dialectics**
161 Inductiv
162 Deductiv
163 Assent Faith
164 Simbolic Algebraic
165 Sources of error Fallacies
166 Syllogism Enthymeme
167 Hypotheses
168 Argument and persuasion
169 Analogy Correspondence
170 **Ethics**
171 Theories of ethics
172 State ethics
173 Family ethics
174 Professional and business ethics
175 Ethics of amusements
176 Sexual ethics
177 Social ethics
178 Temperance
179 Other ethical topics
180 **Ancient and Oriental filosofers**
181 Oriental
182 Erly Greek
183 Sophistic and Socratic
184 Platonic
185 Aristotelian
186 Pyrrhonist New Platonist
187 Epicurean
188 Stoic
189 Erly Christian and medieval
190 **Modern filosofers**
191 American
192 British
193 German
194 French
195 Italian
196 Spanish
197 Slavic
198 Scandinavian
199 Other modern

Religion

200 Religion
201 Filosofy Theories
202 Compends
203 Dictionaries
204 Essays
205 Periodicals
206 Societies
207 Education Theologic schools
208 Polygrafy
209 History of religion

210 Natural theology
211 Deism Atheism Theism
212 Pantheism Theosofy
213 Creation Evolution
214 Providence Theodicy Fatalism
215 Religion and science
216 Good Evil Depravity
217 Worship Prayer
218 Future life Immortality
219 Analogies Correspondences

220 Bible
221 Old Testament
222 Historical books
223 Poetic "
224 Profetic "
225 New Testament
226 Gospels and Acts
227 Epistles
228 Apocalypse
229 Apocrypha

230 Doctrinal Dogmatics
231 God Unity Trinity
232 Christ Christology
233 Man The fall Sin
234 Salvation Soteriology
235 Angels Devils Satan
236 Eschatology Deth Judgment
237 Future state
238 Creeds Catechisms
239 Apologetics Evidences

240 Devotional Practical
241 Didactic
242 Meditativ
243 Hortatory
244 Miscellany Fiction, etc.
245 Hymnology Religious poetry
246 Ecclesiology Simbolism
247 Sacred furniture, vessels etc
248 Personal religion Asceticism
249 Family devotions

250 Homiletic Pastoral Parochial
251 Homiletics Preaching
252 Sermons
253 Pastoral life Celibacy
254 Church finance Cleric support
255 Brotherhoods Sisterhoods
256 Societies for parish work Gilds
257 Parish educational work
258 Parish welfare work
259 Other ministrations and work

260 Church: institutions and work
261 Church
262 Ecclesiastic polity
263 Sabbath Lord's day Sunday
264 Public worship Ritual
265 Sacraments Ordinances
266 Missions Home and foren
267 Associations Y M C A, etc
268 Sunday schools
269 Revivals Retreats

270 General hist. of church
271 Religious orders Monasteries
272 Persecutions
273 Heresies
274 Europe
275 Asia
276 Africa
277 North America
278 South America
279 Oceania

280 Christian churches and sects
281 Primitiv and oriental
282 Roman catholic
283 Anglican and American P E
284 Continental protestant
285 Presbyterian Congregational
286 Baptist Immersionist
287 Methodist
288 Unitarian
289 Other Christian sects

290 Nonchristian religions
291 Comparativ & general mythology
292 Greek and Roman
293 Teutonic and Northern
294 Brahmanism Buddhism
295 Parseeism
296 Judaism
297 Mohammedanism
298
299 Other nonchristian religions

Social sciences

300 Social sciences
301 Sociology: filosofy, theories
302 Compends
303 Dictionaries
304 Essays
305 Periodicals
306 Societies
307 Study and teaching
308 Polygrafy
309 History of social science
310 Statistics
311 Theory Methods
312 Population Demografy
313 Special topics
314 Europe
315 Asia
316 Africa
317 North America
318 South America
319 Oceania
320 Political science
321 Form of state
322 Church and state
323 Internal or domestic relations
324 Suffrage Elections
325 Colonies Migration
326 Slavery
327 Foren relations
328 Legislation Lawmaking
329 Political parties
330 Economics
331 Labor and laborers
332 Financial economics
333 Land: ownership, rights and rent
334 Cooperation
335 Socialism and communism
336 Public finance Taxation
337 Protection and free trade
338 Production Manufacture Prices
339 Capital Consumption Pauperism
340 Law
341 International law
342 Constitutional law and history
343 Criminal law
344 Martial law
345 U. S. statutes and cases
346 British " " "
347 General works Treatises
348 Church law
349 Law other than Amer. & Brit.
350 Administration Military science
351 Administration of central gov't
352 Local government: city, town
353 United States and state
354 Other countries
355 Military science Army
356 Infantry
357 Cavalry
358 Artillery, engineers etc
359 Naval science Navy
360 Welfare and social institutions
361 Charitable
362 Hospitals Asylums
363 Political
364 Reformatory Criminology
365 Penal Prisoners
366 Secret societies
367 Social clubs
368 Insurance
369 Other
370 Education
371 Teachers Methods Disciplin
372 Elementary Kindergarten
373 Secondary Preparatory
374 Adult education
375 Curriculum
376 Education of women
377 Religious, ethical and secular
378 Colleges and universities
379 Public schools State and educ.
380 Commerce Communication
381 Domestic trade
382 Foren trade Consular reports
383 Postal servis
384 Telegraf Cable Telefone
385 Railroads
386 Waterways Inland navigation
387 Ocean and air transport
388 Local transit
389 Weights and mesures Metrology
390 Customs Costumes Folklore
391 Costume and care of person
392 Birth, home and sex customs
393 Treatment of ded
394 Public and social customs
395 Etiquet
396 Woman's position and treatment
397 Gipsies Nomads
398 Folklore Proverbs etc
399 Customs of war

Filology

400 Filology
- 401 Filosofy Origin
- 402 Compends
- 403 Dictionaries
- 404 Essays
- 405 Periodicals
- 406 Societies
- 407 Study and teaching
- 408 Polygrafy Internat'l lang.
- 409 History of language

410 Comparativ
- 411 Orthografy Alfabets
- 412 Etymology
- 413 Dictionaries Lexicografy
- 414 Phonology
- 415 Grammar
- 416 Prosody
- 417 Inscriptions
- 418 Texts
- 419 Sign language Hieroglifics

420 English
- 421 Orthografy
- 422 Etymology
- 423 Dictionaries
- 424 Synonims
- 425 Grammar
- 426 Prosody
- 427 Dialects
- 428 School texts
- 429 Anglo-Saxon

430 German
- 431 Orthografy
- 432 Etymology
- 433 Dictionaries
- 434 Synonims
- 435 Grammar
- 436 Prosody
- 437 Dialects
- 438 School texts
- 439 Other Teutonic

440 French
- 441 Orthografy
- 442 Etymology
- 443 Dictionaries
- 444 Synonims
- 445 Grammar
- 446 Prosody
- 447 Dialects
- 448 School texts
- 449 Provençal Catalan

450 Italian
- 451 Orthografy
- 452 Etymology
- 453 Dictionaries
- 454 Synonims
- 455 Grammar
- 456 Prosody
- 457 Dialects
- 458 School texts
- 459 Rumanian Romansh

460 Spanish
- 461 Orthografy
- 462 Etymology
- 463 Dictionaries
- 464 Synonims
- 465 Grammar
- 466 Prosody
- 467 Dialects
- 468 School texts
- 469 Portuguese Galician

470 Latin (classic)
- 471 Orthografy
- 472 Etymology
- 473 Dictionaries
- 474 Synonims
- 475 Grammar
- 476 Prosody
- 477 Dialects
- 478 School texts
- 479 Other Italic

480 Greek (classic)
- 481 Orthografy
- 482 Etymology
- 483 Dictionaries
- 484 Synonims
- 485 Grammar
- 486 Prosody
- 487 Dialects
- 488 School texts
- 489 Other Hellenic

490 Other languages
- 491 Other Indo-European
- 492 Semitic
- 493 Hamitic
- 494 Scythian Turanian
- 495 Asiatic
- 496 African
- 497 North American
- 498 South American
- 499 Malay-Polynesian and other

Pure science

500 Pure science
501 Filosofy
502 Compends
503 Dictionaries
504 Essays
505 Periodicals
506 Societies
507 Education Museums
508 Polygrafy
509 History

510 Mathematics
511 Arithmetic
512 Algebra
513 Geometry
514 Trigonometry
515 Descriptiv geometry
516 Analitic geometry Quaternions
517 Calculus
518
519 Probabilities

520 Astronomy
521 Theoretic
522 Practical and sferic
523 Descriptiv
524 Maps and observations
525 Earth
526 Geodesy
527 Navigation
528 Ephemerides
529 **Cronology**

530 Physics
531 Mechanics
532 Liquids Hydraulics
533 Gases Pneumatics
534 Sound Acoustics
535 Radiation Light Optics
536 Heat
537 Electricity
538 Magnetism
539 Molecular physics

540 Chemistry
541 Theoretic Physical
542 Practical and experimental
543 Analisis
544 Qualitativ
545 Quantitativ
546 Inorganic
547 Organic
548 **Crystallografy**
549 **Mineralogy**

550 Geology
551 Physical and dynamic geology
552 Lithology Petrografy
553 Economic geology
554 Europe
555 Asia
556 Africa
557 North America
558 South America
559 Oceania Polar regions

560 Paleontology
561 Plants
562 Invertebrates
563 Protozoans Radiates
564 Mollusks
565 Articulates
566 Vertebrates
567 Fishes Batrachians
568 Reptils Birds
569 Mammals

570 Biology Anthropology
571 **Prehistoric archeology**
572 **Ethnology Anthropology**
573 **Natural history of man**
574 Physiologic and struct. biol
575 Evolution Phylogeny
576 Origin and beginnings of life
577 Properties of living matter
578 Microscopy
579 Collectors manuals

580 Botany
581 Physiologic and structural
582 Phanerogams Seed plants
583 Dicotyledons
584 Monocotyledons
585 Gymnosperms
586 Cryptogams Seedless plants
587 Pteridophytes
588 Bryophytes
589 Thallophytes

590 Zoology
591 Physiologic and structural
592 Invertebrates
593 Protozoans Radiates
594 Mollusks
595 Articulates
596 Vertebrates
597 Fishes Batrachians
598 Reptils Birds
599 Mammals

Useful arts Applied science

600 **Useful arts**
601 Filosofy
602 Compends
603 Dictionaries
604 Essays
605 Periodicals
606 Societies Fairs Exhibitions
607 Education Schools of technol.
608 Patents Inventions
609 History of useful arts

610 **Medicin**
611 Anatomy
612 Physiology
613 General and personal hygiene
614 Public helth
615 Materia medica Therapeutics
616 Pathology Diseases Treatment
617 Surgery Dentistry, etc.
618 Diseases of women and children
619 Comparativ medicin Veterinary

620 **Engineering**
621 Mechanical
622 Mining
623 Military Naval
624 Bridge and roof
625 Road and railroad
626 Canal
627 River and harbor
628 Sanitary Waterworks
629 Other branches

630 **Agriculture**
631 Farm Farmsted
632 Hindrances Protection
633 Field crops: grains, grasses etc
634 Fruits Forestry
635 Garden crops
636 Domestic animals
637 Dairy and dairy products
638 Bees, silkworms etc
639 **Hunting Trapping Fish culture**

640 **Home economics**
641 Food Cookery
642 Serving Entertaining
643 Shelter: house, home
644 Heat Light Ventilation
645 Furniture Decoration
646 Clothing Toilet
647 Household administration
648 Sanitary precautions
649 Nursery Sickroom

650 **Communication Business**
651 Offis economy
652 Writing: materials, typewriters
653 Abbreviations Shorthand
654 Telegraf Cables Signals
655 Printing Publishing Copyright
656 Transportation: railroading etc
657 Bookkeeping Accounts
658 Business methods
659 Advertising and other topics

660 **Chemic technology**
661 Chemicals
662 Pyrotechnics Explosivs Fuels
663 Beverages
664 Foods: sugar, starch etc
665 Lights: gas, oil, candles etc
666 Keramics Glas Cement
667 Bleaching Dyeing Inks Paints
668 Other organic chemic industries
669 **Metallurgy Assaying**

670 **Manufactures**
671 Articles made of metals
672 Of iron & steel; stoves, cutlery
673 Of copper, bras, bronz etc
674 Lumber & articles made of wood
675 Lether " " " " lether
676 Paper " " " " paper
677 Textils
678 Rubber & articles made of rubber
679 Celluloid and other

680 **Mechanic trades**
681 Watch and instrument making
682 Blacksmithing Horseshoeing
683 Lock and gun making
684 Carriage and cabinet making
685 Saddlery Shoemaking Trunks
686 Bookbinding
687 Clothing industries
688
689 Other trades

690 **Bilding**
691 Materials Preservativ processes
692 Plans Specifications
693 Masonry Plastering
694 Carpentry Stairbilding
695 Roofing: slating, tiling
696 Plumbing: gas and steam fitting
697 Heating Ventilating
698 Painting Glazing Paperhanging
699 **Carbilding**

Fine arts

700 **Fine arts**
701 Pilosofy Esthetics
702 Compends
703 Dictionaries
704 Essays Poligrafy
705 Periodicals
706 Societies
707 Education Study
708 Art galleries
709 History of art
710 **Landscape and civic art**
711 Regional and city planning
712 Landscape architecture and gardening
713 Construction and maintenance
714 Water features
715 Vegetation Trees, shrubs, hedges
716 Herbaceous plants
717 Structural elements
718 Cemeteries Monuments Mausoleums
719 Natural landscapes Scenery
720 **Architecture**
721 Architectural construction
722 Ancient and oriental
723 Medieval Gothic, etc.
724 Modern
725 Public bildings
726 Ecclesiastic and religious
727 Educational and scientific
728 Residences
729 Design and decoration
730 **Sculpture**
731 Materials, methods, etc.
732 Ancient
733 Greek and Roman
734 Medieval
735 Modern
736 Carving Seals Dies Gems
737 Numismatics Coins Medals
738 Pottery Porcelain
739 Metal arts Bricabrac
740 **Drawing Decoration**
741 Freehand Crayon, etc.
742 Perspectiv
743 Art anatomy Life school
744 Mathematical drawing
745 Arts and crafts Design
746 Art needlework Fanciwork
747 Interior decoration
748 Staind and iridescent glas
749 Artistic furniture

Recreation

750 **Painting**
751 Materials, methods, etc.
752 Color
753 Epic Mythic Idealistic
754 Genre
755 Religious Ecclesiastic
756 Historical Battles etc
757 Portrait Human figure
758 Landscape Stil life, etc.
759 Various schools
760 **Engraving**
761 Relief engraving
762 Metal "
763 Lithografy
764 Chromolithografy
765 Line Stipple
766 Mezzotint Aquatint
767 Etching Dry point
768 Banknote Machine
769 Collections of engravings
770 **Fotografy**
771 Fotografic chemistry & materials
772 Processes: silver etc
773 Gelatin, pigment and dye processes
774 " & printers ink
775 Fotolithografy etc
776 Fotozincografy etc
777 Fotoengraving Fotoelectros
778 Special applications
779 Collections of fotografs
780 **Music**
781 Theory and technic
782 Dramatic
783 Sacred
784 Vocal
785 Instrumental ensemble
786 Piano and organ
787 Stringd instruments
788 Wind "
789 Percussion and mechanical
790 **Amusements**
791 Public entertainment
792 Theater Stage
793 Indoor entertainment
794 Games of skil
795 Games of chance
796 Outdoor sports and games
797 Water sports Aerostation
798 Horsemanship Racing
799 Fishing Hunting Shooting

Literature Belles-lettres

800 Literature
801 Filosofy
802 Compends
803 Dictionaries
804 Essays
805 Periodicals
806 Societies
807 Study and teaching
808 Rhetoric Collections
809 History

810 American literature
811 Poetry
812 Drama
813 Fiction
814 Essays
815 Oratory
816 Letters
817 Satire Humor
818 Miscellany
819

820 English literature
821 Poetry
822 Drama
823 Fiction
824 Essays
825 Oratory
826 Letters
827 Satire Humor
828 Miscellany
829 Anglo-Saxon literature

830 German literature
831 Poetry
832 Drama
833 Fiction
834 Essays
835 Oratory
836 Letters
837 Satire Humor
838 Miscellany
839 Other Teutonic literatures

840 French literature
841 Poetry
842 Drama
843 Fiction
844 Essays
845 Oratory
846 Letters
847 Satire Humor
848 Miscellany
849 Provençal Catalan

850 Italian literature
851 Poetry
852 Drama
853 Fiction
854 Essays
855 Oratory
856 Letters
857 Satire Humor
858 Miscellany
859 Rumanian Romansh

860 Spanish literature
861 Poetry
862 Drama
863 Fiction
864 Essays
865 Oratory
866 Letters
867 Satire Humor
868 Miscellany
869 Portuguese Galician

870 Latin literature (classic)
871 Poetry
872 Dramatic
873 Epic
874 Lyric
875 Oratory
876 Letters
877 Satire Humor
878 Miscellany
879 Other Italic literatures

880 Greek literature (classic)
881 Poetry
882 Dramatic
883 Epic
884 Lyric
885 Oratory
886 Letters
887 Satire Humor
888 Miscellany
889 Other Hellenic literatures

890 Other literatures
891 Other Indo-European
892 Semitic
893 Hamitic
894 Scythian Turanian
895 Asiatic
896 African
897 North American
898 South American
899 Malay-Polynesian and other

History

900 **History**
901 Filosofy
902 Compends Cronologies
903 Dictionaries
904 Essays
905 Periodicals
906 Societies
907 Study and teaching
908 Polygrafy
909 Universal histories

910 **Geografy and travels**
911 Historic
912 Maps
913 Antiquities
914 Europe
915 Asia
916 Africa
917 North America
918 South America
919 Oceania Polar regions

920 **Biografy**
921 Of filosofy
922 " religion
923 " sociology
924 " filology
925 " science
926 " useful arts
927 " fine arts
928 " literature
929 Genealogy Heraldry

930 **Ancient history**
931 China
932 Egypt
933 Judea
934 India
935 Medo-Persia
936 Races forming new European nations
937 Rome Italy
938 Greece
939 Other countries

940 **Europe**
941 Scotland Ireland (Eire)
942 England Wales
943 Germany Austria Czechoslovakia Poland Hungary
944 France
945 Italy
946 Spain Portugal
947 Union of Sov. Soc. Repubs. (Rus.)
948 Norway Sweden Denmark
949 Other countries

950 **Asia**
951 China
952 Japan
953 Arabia
954 India
955 Iran (Persia)
956 Turkey in Asia
957 Siberia
958 Afghanistan Turkestan Baluchistan
959 Farther India

960 **Africa**
961 North Africa
962 Egypt
963 Abyssinia Ethiopia
964 Morocco
965 Algeria
966 North Central Africa
967 South Central Africa
968 South Africa
969 Madagascar and other ilands

970 **North America**
971 British America Canada
972 Mexico Central America
973 United States
974 North Atlantic states
975 South Atlantic states
976 South Central or Gulf states
977 North Central or Lake "
978 Western or Mountain "
979 Pacific states

980 **South America**
981 Brazil
982 Argentina Patagonia
983 Chile
984 Bolivia
985 Peru
986 Colombia Panama Ecuador
987 Venezuela
988 Guiana
989 Paraguay Uruguay

990 **Oceania Polar regions**
991 Malaysia
992 Sunda
993 Australasia
994 Australia
995 New Guinea
996 Polynesia
997 Isolated ilands
998 Arctic regions
999 Antarctic regions

Complete tables

including all the

SUBSECTIONS

General works

000 General works Prolegomena

001 Knowledge and learning in general

002 The book

Science of the book, history of the book and book arts in general

007 Activity and organization in general

010 Bibliografy

.1 Theory, utility, etc. .2 Compends .3 Dictionaries .4 Essays .5 Periodicals .6 Societies .7 Education, training, see also 020.7; .8 Polygrafy .9 History

011 General bibliografies Universal catalogs

011 is by Authors. If by Subjects they go in 016. See also 028.5 Reading of children

Properly a catalog is of a special collection and so tells where the works may be found. A bibliografy disregards actual location and tells what there is, but its contents can seldom be found in any one library

012–016 include both bibliografies and catalogs. 017–019 is limited to catalogs of general collections

012 Of individuals

Alfabeted by subjects of bibliografies (bibliografees), not by compilers; e. g. Chaucer, Dante, Ruskin, etc.

A bibliografy of an individual may include either works about or by the individual, or both

Authors on whom special collections are being made (e. g. in 800) attract their bibliografies to same number, leaving only a reference here. Other individual bibliografies class here, unless clearly limited to some subject; e. g. artists or musicians, bibliografy of Wagner 016.782

013 Of special classes of authors

Subdivided like the general classification, as indicated below. Lists of writings of such classes, if limited to a special subject, class with that subject; e.g. list of historical works by Jesuits 016.9. But in exceptional cases the bibliografy of a special class of authors may be put with that class; e.g. bibliografy of women's writings 396.58, tho 013.396 would be the better number in a general library

.020622 Writings of members of A L A

.064 " " " " French academy

.282 " " Roman catholics

.378744 " " Harvard graduates

.9 Writings of foren residents in a special country

Often extended to one or more generations of descendants. This provides for bibliografies in which nationality, not subject, is the important idea

.91 Authors from special country

Divided like 930–999 by country of origin and farther subdivided with 0 like 930–999 by country of adoption; e.g. 013.91485 bibliografy of writings of Swedes outside Sweden, 013.91485044 writings of Swedes in France, 013.9148507 of Swedes in America. This groups under *mother* country; e.g. gathers together all lists of works by emigrant Swedes

.930–.999 Foren authors in special country

Usually preferable to .91. Divided like 930–999 by country of adoption and farther subdivided with 0 like 930–999 for country of origin; e.g. 013.944 foren authors in France; 013.973 foren authors in U S; 013.9730485 Swedish authors in U S; 013.9485073 American authors in Sweden. Ordinarily 013.94807 would be explicit enough; the longer number is not advised. This groups under *adopted* country; e.g. gathers under a given country all its foren authors

014 Of special forms: anonyms, pseudonyms, etc.

.1 American .2 English .3 German, etc. like 030

015 Of special countries

Books publisht in the country. Publishers lists, current publications. Subdivided by countries like 940–999; e. g. 015.42, Bibliografy of books publisht in England, e. Lowndes or English catalog

The history of literature, i. e. belles lettres, poetry, drama, fiction, etc. goes, of course, with those topics in 800; but the literary history of any given place or period covering the writings on all subjects as well as in literature, is bibliografy, and goes usually in 015, tho the literary history of some special class is 013

016 Of special subjects

Subdivided like the main classification, from 000–999; e. g. 016.01 Bibliografy of bibliografies; 016.091, of manuscripts; 016.5, of science; 016.942, of English history, etc.

See also next note

Library and sale catalogs

Catalogs of any special subject, whether subject, author, or dictionary, go under its subject number, in 016, which is the ruling heding wherever it conflicts with another. 017–019 therefore includes only catalogs of general collections, limited to no one class or subject

Under 017-019, 4 means catalogs of books for sale, not publisht, by booksellers. For *publishers* catalogs see 015

017 Clast catalogs: systematic or logical

.1 Public .2 Private .3 Auction .4 Booksellers

Class here author and subject lists bound together, as they are much oftener used to see what has been written on some subject than whether a library has a certain book

For all forms of alfabetic subject catalogs, see 019. See 016 for Bibliografies

018 Author catalogs See 011 for Bibliografies

.1 Public .2 Private .3 Auction .4 Booksellers

A volume containing both author and subject catalogs is more useful in 017. For auction catalogs of private libraries use 018.2, not 018.3. 018 includes accession, chronologic, and any other forms (except subject and dictionary) of catalogs of collections

019 Dictionary catalogs Alfabeticoclast, etc.

.1 Public .2 Private .3 Auction .4 Booksellers

020 Library economy

SUMMARY

020-025 Science and administration of libraries in general
- 021 Scope, founding, supporting
- 022 Bildings and grounds
- 023 Government and servis
- 024 Regulations
- 025 Administration

026-027 Special libraries and collections; history, description and management
- 026 Libraries on special subjects
- 027 General libraries

028-029 Allied subjects
- 028 Reading and aids
- 029 Literary methods

REFERENCES TO OTHER MATERIAL
- 010 Bibliografy
- 090 Book rarities

020.1 Theory

.14 Library terms, definitions, etc. Discussion. For dictionaries, glossaries, etc. see 020.3

.2 Compends .3 Dictionaries .4 Essays .5 Periodicals

020.6 **Societies, associations, clubs, conferences**
.61 Official institutions; government departments
For library commissions see 021.82
.62 Societies not under government control
.621 International associations
.622 National "
.623 State "
.624 Local clubs
.625 Associations of special groups
State librarians, or class in 027.506
Medical " " " " 026.6106
Sunday school " " " 027.831
Library dep't of N E A or class with subject in 021.3
.626 Mutual benefit associations
Or class in 023.59, if preferd
.627 Library association publishing boards
For children's library leagues see 027.6251
.63 Congresses, conferences, meetings, temporary organizations
.65 Commercial establishments Library Bureau
For commercial circulars see 020.85
.7 **Education Training Library schools**
.71 Instruction, schools
Standards, location, cost, etc
.711 Library schools
Use letter for each school, and if desired divide like 378 A–Z
.712 Summer schools
.713 Apprentis classes Training classes
.714 Correspondence schools
.715 Library institutes
Similar to teachers institutes; local meetings with a conductor, for discussion of practical problems
.716 Courses in colleges and universities
.717 Courses in normal and high schools
.718
.719 Private schools and instruction
.72 Research work
.73
.74 Museums, exhibits
Collections of illustrativ appliances, blanks, eco.
.75
.76
.77 Special pedagogic methods
.78
.79 Competitions, prizes, traveling scholarships
.8 **Polygrafy**
.81 Individual polygrafy
.82 Collectiv "
.822 Extracts, maxims, anthologies
.83 Recipes
.84
.85 Commercial circulars
See also 020.65 Commercial establishments
.86
.87
.88 Curiosa, anecdotes, library humor, dummy book titles
.9 **History of library economy**
For history of libraries both public and private see 027
Lives of librarians are clast in 920.2. To keep them with the subject use 020.92, and for fotografs of librarians 020.921. Collected lives may be separated from individual by use of the Olin booknumbers (following Index)

021 Scope, usefulness and founding of libraries

Also scope and founding of combined libraries and muscums. Support, development

.01 Arguments for libraries: purpose, benefits

Impressivness of libraries. Discussion of free public libraries is better clast here than in 027.4

.02 Arguments against libraries: evils of libraries

For paternalism in library see 021.201

.03 Progress and future of libraries

Reforms, improvements, projects, plans, profesies, library ideals

.04 Ideals for special communities

e.g. what a library can do for a manufacturing community

.1 Library as a storehouse

.16 Character of material appropriate to library

.2 Library as an educator; people's university

Material on private reading is better in 028 than in 021.2

While the work of a library is nearly all educational in a broad sense, the relations of the library to special classes of the community, outside of direct educational work thru schools and home education work, ar best clast with libraries for special classes in 027.6, or when a special subject predominates, in 026

.201 Paternalism in library

See also 024.58 Library censorship of news, 024.674 Restriction of immoral books, 025.217 Exclusion of immoral or il made books

.25 Library as a publisher

.26 " bookseller

.28 Work for special classes of users

Physicians, lawyers, clergymen, women, foreners, etc. See also 021.3

.3 Library in relation to schools and other institutions

This is mainly for relations of general public libraries to school work. Class a library owned by and kept at the school in 027.82. School libraries, 371.622, is only to keep all school material together under 370. Class general work for children with children's libraries in 027.625.

.31 Relations to teachers

.32 " pupils

Librarian's talks to pupils, either at schoolhouses or at library, on use of library

.33 Special libraries for schools

Specially selected from general library and lent to school either for class or general school use. Duplicates for schools

.34

37 Work of individual libraries with schools

Alfabeted by library; e.g. accounts of work with schools by Hartford public library under Hartford, by Osterhout library at Wilkesbarre under Osterhout

.38 Relations to special institutions

May be divided like the whole classification, e.g. 021.38069 Library work with museums

021.4 **Home education**

This includes all servises or added fields of work undertaken by the library outside the use of books. For programs, reports, etc. of home education agencies, see 374.1–.9

.41 Study clubs Reading circles, etc.

.42 Conferences, conventions, institutes, etc.

.43 Lectures

For extension courses, see 021.44

.44 Extension courses Lecture study

.45 Entertainments: dramatic, musical, etc.

.46 Museums and temporary exhibits

.47 Science museums or collections

.48 Art galleries " "

.5 **Library as a recreation**

Serving refreshments; e. g. tea

.6 **Library extension and cooperation**

For work done by the state see 021.8

.61 Deliveries

See also 025.6 and 022.16

.62 Branches

See also 022.15

.63 Centralization Grouping of libraries

.64 Cooperation between libraries

Cooperation in any special department is clast with the department; e.g. interlibrary lending 025.6

.65 Traveling libraries

A collection (usually 25 to 100 volumes) either general or on one subject, lent to a community, library, study club or other organization. Book wagon

.66 House libraries

A small traveling library for use of a person or household. Originated at New York state library for isolated students

.67 Home libraries

Small libraries for children, each library kept at home of some child for use of a group, under supervision of a visitor. The libraries travel from group to group. Originated by Boston Children's aid society

.7 **Founding Developing and maintaining interest**

This is mainly for starting a library, interesting people and bringing them to the library. For most special methods of interesting those who ar alredy readers see 025.5 and 025.6

.71 Personal canvass, visits and correspondence

.72 Circulars

.73 Advertizing

In newspapers, posters, street cars, etc.

.74 Press Publicity

Discussion of use of newspaper colums (editorials, articles, letters, new book lists, etc.) to secure interest

.75 Schools and teachers

.76 Churches and ministers Pulpit

.77 Literary and other organizations and institutions

.78 Lectures Public meetings and addresses

.79 Library propaganda

Societies, local or general, for encouragement and stimulation

021.8 **Libraries and the state** Library legislation

.81 State supervision

.82 Library departments or commissions

Special work done by commissions is clast by its subject. Reports of commissions, if largely a summary of the *public* libraries of the state, go in 027.4 If important to keep all work of commissions together, class their reports here

.83 Government aid

.831 State grants of money

.832 Local subsidies

.84 Gifts of books

.841 Public documents, etc.

.842 Copyright books

.85 Exchanges

See 025.266 for systems of exchanges, management, routine in individual libraries. This number is for general exchanges by state or central authority

.851 Local

.852 Foren

Vattemare international exchanges, Smithsonian exchanges

.86 Privileges

.861 Remitted duties Free importation

.862 Free postage Franking privilege

.863 Lower rates or special facilities Cheap library post

.87

.88 State or local hindrances Politics

.89 Library legislation

General; laws for a special subject ar clast with the subject; e.g. law for a library commission 021.82; law against injuring library books 024.8

.891 National legislation

.892 State "

.893 Local legislation (county, city or village)

.894–.899 Legislation in special countries or places

Divided like 940–999

.9 Support, raising funds, etc.

For state aid separate from local help see 021.8

.91 Taxes Appropriations Subsidies

.92 Endowment

.93 Gifts of money or books

See also 021.84 Government gifts

.94 Bequests

.95 Subscriptions

.96 Lectures Fairs Entertainments, etc.

For raising money. For educational purposes see 021.43–.45

.97 Membership fees

022 Library bildings

Sec also 727.8 Architecture. For care of bilding see 025.9

.1 **Location, site, etc.**

.11 Location with reference to field of work

Accessibility to population servd, to other libraries, educational institutions, etc.

.12 Site

With reference to space, air, light, soil, slope of ground, etc.

.13 Provision for growth New bildings

.14

.15 Branches

.16 Delivery stations

.17 Newsrooms, reading rooms, etc.

.2 **Material, protection**

.21 Material: wood, brick, stone, steel, glass, etc.

Relativ fitness for library bildings. See also 620.11 Strength of materials; 691 Bilding materials

.22

.23

.24 Fireproof construction

.25 Protection against fires

Location and relativ efficiency of apparatus: hose, extinguishers, chemic engins, standpipes, etc. For watchman see 025.9. See also 614.84 Fire protection

.26 Library fires, burning of libraries

.27 Insurance

.28

.29 Other dangers

Flood, earthquake, cyclone, war, etc.

.3 **Design Plans Construction**

Alfabet plans, elevations, exteriors, general descriptions, etc. by name of library. Use .31–.33 only for indexing

.31 By kind of library

Divided like 027. Group plans for public libraries, 022.314, in 3 subsections

022.3141 Libraries under 20,000, small; i.e. under this number list plans of such libraries, but shelv them in their alfabetic place under 022.3

.3142 Libraries from 20,000–100,000, medium

.3143 Libraries over 100,000, large

.32 By subject

Divided like 026; e.g. under 022.3234 list plans of law libraries so that they may be redily referd to in 022.3, or in journals or reports clast elsewhere

.33 By country

Divide like 930–999 and use like 022.31–.32 only for reference

.34 Design and decoration

Divided like 729 as follows:

.341 Elevation, style

Only for general discussion; class elevation of a special library under 022.3

.342 Plan

Number, distribution and dimensions of rooms; special forms, spiral, circular, etc. See note under 022.341

022.343 Artistic forms
344 Painted decoration, etc.
.348 Staind glass
.349 Accessories and fixt furniture
Include paintings, statues, busts, etc. as decoration for bilding. Special library furniture, bookcases, loan desks, etc. ar 022.9
.35 Construction
Divided like 721. Class here only discussions limited to library bildings
.36
.37 Library rooms as part of other bilding
.38
.39 Remodeling old bilding
Either other bildings (churches, residences, etc.) for library purposes, or remodeling a library to meet modern conditions
.4 Storage and shelving
For furnishing of private libraries see 645.63
.41 Storage
Capacity per square meter of floor, or running meter of cases; allowance for growth
.42 Shelving round sides of room
.421 Wall cases
.422 Alcoves
.423 Galleries
.43 Stacks
.431 Stack rooms
Dimensions, maximum width with natural light only. Number of rooms, one or several. Number of floors
.432 Arrangement of cases
Parallel, radial; light; open access, supervision
.433 Movable cases
.434 Ailes
Position, width
.435 Flooring of stack rooms
Solid, glass, open grating
.438 Maximum floor load
.44 Cases, tiers
.441 Material: wood, metal, glass
.442 Dimensions of case and tier, hight, length
See also 022.452 Dimensions of shelf
.443 Plan of cases
Open or closed ends and backs; 1 or 2 ledges
.444 Fixt or movable shelvs
.445 Quarto and folio shelving
.45 Shelvs
.451 Material
Wood, metal, glass, stone, sheet iron, skeleton steel
.452 Dimensions: length, depth, thickness; standard shelf
.453 Surface finish or covering
Paint, varnish, cloth or lether covering
.454 Shelf supports: pins, brackets

022.46 Cases and shelvs for large books, lying flat
Dimensions, sliding or roller shelvs, etc.
.47 Closed cases Doors: glass, screen or wood
.48 Special cases
.481 Hanging presses
.482 New-book cases
.483
.484
.485 Cases for maps, engravings, etc.
.486 Cases for fotografs
.487 Cases for lantern slides
.5 Reading rooms
See also 022.63 Rooms for special material
.51 General reading room Central hall
.52 Small reading rooms Study rooms
Gallery study tables. For seminar and class rooms see 022.65
.53 Reference room
.54 Standard library
.56
.57 Women's room
.58 Children's room
.6 Administration and special rooms
.61 Rooms for trustees or outside organizations
.611 For trustees
.612 " committees, commission, school board
.613
.614 For local societies
.62 Administration rooms
Divided like 025
.63 Rooms for special material
Divided like 025.17; e.g. 022.6332 Newsrooms
.64 Special collections: patents, local history, etc.
.65 Instruction rooms, etc.
.651 Lecture room or hall, theater, concert
.653 Seminar room, class room
.655 Museum
.656 Art gallery
.657 Exhibition room
.658 Fotografic and dark room
.659 Piano and music room

022.66 Recreation rooms
.661 Conversation room
.662 Chess room
.663 Other games
.664 Billiards
.665 Bowling
.666 Gymnasium
.67
.68 Other rooms Lavatories, etc.
For helth, comfort or convenience
.681 Entrance halls and corridors
.682 Waiting room
.683 Telefone booth or room
.684 Lunch room
.685 Coat room
.686 Toilet room, lavatories, etc.
.687 Garage, bicycle room, etc.
.69 Residence quarters
.691 Librarian
.695 Janitor
.7 Lighting
.71 Natural lighting; windows
For architectural side see 022.358; for staind glass see 022.348
Position of windows; size and number; shape. Provision for opening; sliding, hinged or pivot sash, French casement
.72 Skylights
.73 Prisms
.74
.75 Artificial lights: materials
.751 Lamps, oil, etc.
.752 Gas
.753 Acetylene
.754 Electricity
.76 Fixtures
.762 Portable or semiportable lights
.763 Table lights
.764 Standards
.765 Bracket lamps
.766 Chandeliers
.77 Lighting of stacks by electricity
Fixt or movable lights
.8 Heating and ventilation
General hygiene of library. Divided like 697

022.9 **Fixtures, furniture, fittings**
.91 General furniture
.911 Chairs
.912 Tables
.913 Desks
.914 Revolving cases
.915 Bases
.916 Vertical files
See also 651.236 Offis equipment
.918 Counters
.92 Public conveniences
.921 Hatracks
.922 Umbrella stands
.923 Clocks
.924 Bulletin boards
.93 Furniture for exhibiting or using books, pictures, etc.
.931 Exhibition cases, fixt or movable
.932 Wing frames
.933 Easels
.934 Reference book holders
.935 Magazine and newspaper racks, files, etc.
.94 Appliances for getting or carrying books or messages
.941 Ladders, stepladders
.942 Book trucks
.943 Carrying trays
.944 Mechanical carriers
See also 621.867 Conveyers, Telferage
.945 Book lifts
.946 Pneumatic tubes
.947 Speaking tubes
.948 Interdepartment telefones
See also 621.3853 Intercommunicating telefones
.95 Elevators
For carrying persons, goods, etc. See also 621.877. Class here only discussion of them for library use. For book lifts see 022.945
.96 Floor coverings
For permanent flooring see 022.266
.961 Linoleum, corticine
.962 Matting
.963 Carpets
.964 Rugs
.965 Door mats: rubber, wire, etc.
.97
.98
.99 Desk fittings, etc.
Divided like 651.465

023 Government and servis Personnel

For government of special kinds of libraries see 026 and 027

.1 Constitution and bylaws for governing board

Charters. Local ordinances, etc.

.2 Appointment and tenure of offisers under governing board

State or local civil servis. Special library examinations. Promotions. Probationary appointments. Temporary or limited period appointments. Appointments by executiv offiser

.3 Governing board

Trustees, committees, directors, regents, etc.

.31 Method of selection

Election, appointment, exofficio trustees, close corporation, i.e. selfperpetuating body

.32 Number

.33 Qualifications

.34 Women as trustees

.35 Powers and duties

.36 Financial administration

.37

.38 Time and place of meetings

.4 Executiv Consulting librarian Library expert

For appointment see 023.2. See also 023.5–.9, which apply to executiv as well as to staf

.43 Responsibilities and privileges

.5 Staf

Including all subordinate positions. For method of appointment see 023.2

.51 Qualifications

.52 Personality Character Moral and social equipment

.53 Mental equipment Natural ability

.531 General education

532 Professional education Training

See also 020.7 Library schools

.535 Reading of librarians

.54 Physical equipment Helth Exercise

.55 Staf meetings Relations to hed

.56 Women as librarians

Including difference in salaries of men and women

.57 Worries and trials

.58 Longevity

.59 Library benefit associations

See also 020.626

023.6 Daily hours Holidays and vacations
.61 Daily hours
.611 Records Record clock
.612 Punctuality Tardiness
.62 Hours for meals Lunch room
See also 022.6 Special rooms
.63 Special work
.631 Evening
.632 Sunday
.633 Holiday
.64 Work by hour Overtime, extra hours
.641 Making up lost time
.642 Payment for overtime
.643 Effect of overstrain on employees
.644 " " on servis
.65 Holidays
.651 Weekly half holiday
.652 Legal holidays
.66 Vacations
.661 Time of year
.662 Length
.663 Continuous or in instalments
.664 Sabbatic year
.67 Absences for sickness or other causes
See also 023.641 Making up lost time
.68 Attendance at meetings
.681 International
.682 National
.683 State
.684 Local
.7 Titles and duties
.701 Specialization Monotony Change of work
.702 Understudies
.71 Executiv Director
Chief or principal librarian, keeper, etc.
.72 Department, division or section heds
Librarians, sublibrarians, chiefs, heds
.73 Reference staf or faculty
Librarians of special subjects
74 Assistants Catalogers

023.75 Pupil assistants, apprentises, volunteers
Paid mainly by instruction
.76 Clerical servis
.761 Stenografers
.762 Typewriters
.763 Clerks
.77 Mechanic servis
.771 Binders
.772 Electricians
.773 Carpenters
.774 Other mechanics
.78 Pages, messengers, ushers, runners
.79 Janitor servis
.791 Janitor
.792 Watchman
.793 Elevatormen
.794 Attendants, in coat room, etc.
.795 Porters and packers
.796 Cleaners, etc.
.8 Remuneration: salaries, pensions
Divided like 023.7. See 023.56 for difference between salaries of men and women
.9 Rules for staf Codes
Made by trustees or librarian
For punctuality see 023.612. For absences or sick leave see 023.67
.91 Conversation
.92 Personal calls or work
.93 Soliciting money, subscriptions, contributions
.94 Respect and care for library property
.95 Uniforms
.96 Curtesy Indifference
See also 174 Business ethics; 177.1 Curtesy (social ethics)

024 Rules for readers

For reference and circulating departments
.1 Readers qualifications
.11 Age
.12 Residence
.13 Relations to community
Membership in society, club or institution; official position; profession, etc.
.14 Responsibility
Reference, guarantor, money deposit
.15 Registration
.16 " for limited period

024.2 Fees Assessments Free use

.21 Membership fees
Mercantil libraries, atheneums

.22 Book fees
Circulating library fees. For fines see 024.6

.23 Fees for readers card, etc.
For petty expenses to gard against wastefulness

.24

.25 Extra library fees; e. g. college library

.26 Public library fee
For subscription departments see 024.78

.27

.28 Free use

.3 Hours of opening

.31 Number of hours

.32 Time of day: morning, afternoon

.33 Evening opening

.34 All night "

.35 Intermission for meals
Closing library during lunch, dinner or supper hours

.36 Hours for reference and circulating departments

.37 Cooperation of local libraries
Agreement on hours so that some library shal always be open

.4 Days of opening or closing

.41 Sunday

.42 Special religious days

.43 Holidays

.44 Vacation, summer

.45 Inventory Examination
Closing for annual examination of library

.46 Special occasions
Closing for recataloging or rearrangement; public calamity, deths

.47 Closing for epidemics

.5 Reference use

.51 Reading room rules

.52 Decorum in library
Unwelcome visitors; library cranks

.53 Ladies in reading room
For women's separate reading room see 022.57

.54 Access to catalogs
For access to librarian see 023.43

.55 Open reference shelvs

.56 Open shelvs in general

.57 Restricted or selected access to shelvs
Restriction as to persons or subjects

58 Library censorship of news
Obliteration or suppression, in reading room copies, of newspaper reports tending to lower morals; e.g. betting and racing news, reports of crime. criminal trials. See also 021 201 Paternalism

024.6 **Home use Loans**
.61 Number of books
.611 Two book system
.612 Summer vacation cards
.62 Time: 7-day books, new periodicals
.63 Delinquencies Fines
For injuries, etc. see 024.8
.64 Renewals
Extension of loans by library
.65 Relending
Lending by borrowers
.66 Reservations
.67 Restricted books
.671 Reference
.672 Rare or costly
.673 Medical
.674 Of immoral tendency Library inferno
See also 021.201 Paternalism
.68 Interlibrary loans
.681 International loans
.7 **Special privileges**
.71 Extra books Teachers cards
.72 Extra time
.73 Remission of fines Excuses
.74 Favord classes: trustees, faculty, staf
.77 Lending restricted books
.78 Subscription department
Novels and popular new books lent for fee. Extra copies for rent in public (tax supported) libraries
.8 **Injuries Abuses**
.81 Defacements
Marks; corrections, notes and comments
.82 Mutilation
.83 Removal of plates, maps, etc.
.84 Mutilating newspapers
.85 Losses by readers; payment
.86 Thefts
.87 Restitutions
.88
.89 Prevention of abuse
Methods of preventing injury and inducing better care of books. For children's library leag see 027.6251
.9 **Other rules**

025 Administration Departments

SUMMARY

Supervision	025.1	Executiv
Acquisition	.2	Accession
Utilization	.3	Catalog
	.4	Classification
	.5	Reference
	.6	Loan
Preservation	.7	Binding
	.8	Shelf
	.9	Care of bilding

025 is for the librarian's part. The trustees bild and furnish (022); make rules for government and servis (023), and regulations for readers (024); but the administration involvs questions of its own, which, however, ar closely allied to topics in 021–024 and elsewhere; e. g. the librarian must know his side of binding, and be able to giv proper directions and supervision, but need not know all the details of the binder's craft (686)

Administration includes .1 Supervision .2 Acquisition .3–.6 Utilization .7–.9 Preservation; i. e. the librarian's duty to books is to Get, Use, Keep

.1 **Executiv General supervision**

.11 Finances

See also 023.36 Financial administration of governing board

.111 Invested funds, endowments, gifts

See also 021.9 Support

.112 Appropriations: local or state

See also 021.8 Libraries and the state

.113 Other money receivd

Fees, assessments, fines, payments for special servises and investigations, etc.

.114 Accounts: receits and expenses, bookkeeping

.115 Salary payments Staf payrolls

See also 023.8 Salaries

.116 Expenses: fittings, supplies and incidentals

Class with a department supplies peculiar to it, their kind, quality, cost, etc.; e.g. catalog cards with 025.3. For bookbuying see 025.2

.117

.118 Cost of preparing books for shelvs

.12 Printing and publications

Both preparation of material and details of printing, including size, stvle, type, etc.

121 Blanks and forms, stationery

If relating to a special department class with it; e.g. bookplates in 025.2

.122 Publications

.123 Reports and statistics

See also 027

.124 Catalogs

See also 017–019. For cataloging see 025.3

.125 Bulletins

Frequency, advertisements, etc. See also 017–019. For preparation of book lists see 025.3; for newspaper publication of new book lists, see 021.74

.126 Library magazine or paper

.127

.128

.129 Duplicating by neostyle, carbon, etc.

For machines and processes see 652. Class here discussion of fitness for library applications only

025.15 Correspondence

.151 Stationery

Material, weight, size and headings

.152 Stenografers, dictation machines

.153 Typewriters

.154 Copiers

Roller, press, carbons, portable. See also 025.129

.156 Letter files

See 651.5 for methods

.17 Treatment of special material

For general discussions of arrangement, care and use. Class special work under each department: e.g. cataloging of incunabula in 025.3

.171 Manuscripts, archives and rarities

Divided like 090

.172 Pamflets

.173 Serials, documents, etc.

1 **Periodicals, magazines, etc.**

2 **Newspapers**

3 **Annual reports**

4 **Documents; national, state and local**

.174 Broadsides

.175 Clippings

.176 Maps and charts

.177 Art material

Engravings, fotografs, drawings, lantern slides

.178 Music: scores, rolls, etc.

.179 Museum material

.18 Administration of individual libraries

Alfabet by name of library. For administration of special kinds of libraries see 026 and 027

025.2 Accession Acquisition

SUMMARY

025.21 The library and its selection
.22 Methods of acquisition
.23 Ordering and receiving
.24 Accessioning
.25 Marks of ownership
.26 Duplicate and exchange department
.29 Special material

.21 The library and its selection

.211 What? Proper proportion of subjects

Division of funds; endowments for special subjects; accession statistics

.212 Specialization by libraries

Division of subjects among local libraries. See also 021.64 Cooperation. For collections on special subjects, economics, science, etc. see 026

.213

.214 Who? Selectors of books

Trustees or trustee committee; librarian; staf committee, book board; advisory committee from outside; experts; central body (bibliografic bureau, state commission, etc.)

.215 How? Methods of selection

Recommendations by readers; personal examination; visits to book stores; books sent on approval; printed reviews; first selection for new library. Want lists, books under consideration
For lists of best books, A L A catalog, annual lists, etc. see 016
For principles of selection and choice of editions see 028.2
For selection for special classes see 027.6, 027.8, 028.5

.216 Buying fiction

Duplicating popular fiction; extra copies of best fiction

.217 Rejection, exclusion, censorship

Pernicious literature; badly made books; yellow journals. See also 021.201 Paternalism

.218 Weeding out, sifting

Separating books no longer of servis to library. For withdrawal book see 025.249

.22 Methods of acquisition

.221 Buying new books

Local bookstore; book center, general agent; publishers; subscription agent; bids on special lists; foren books thru home or American agent, thru foren agent. See also special material 025.29

.222 Prices Discounts

Net books. For free importation, see 021.867

.223 Buying old books

Secondhand catalogs; remainders, trade sales; dealers in old books, bookstalls; value of old books

.224 Auctions

For auction catalogs see 017–019

.225 Buying libraries in block

.226 Exchange

.227 Gifts

Request blanks and records; gift lists; acknowledgments; privately printed books; propagandist books
For government documents and copyright books see 021.84
See 025.268 for gifts from library to library

025.23 Ordering and receiving
For gifts, see 025.227; for exchanges, see 025.266
.231 Ordering
Order slips or lists; order books or sheets; copies of orders; order index; order numbers
.232 Examination for duplicates and verification
Misspeld names; changed titles; separates
.233 Reception and opening
Express, mail, etc; frequency of shipments; free delivery
.234 Checking bills
Prices and amounts
.235 Collation
.236 Receit index
.24 Accession book
.241 Importance of record
Accession book vs shelflist, etc.
.242 Printed headings Items Fulness of entries
.243 Accession number: volume, work or invoice
.244 Accession stamp
.249 Withdrawal book
.25 Ownership marks
.251 Private marks
.252 Stamping
Ink, embossing, or perforating stamp. Table and foot power
.253 Book plates Plating
See also 097
.254 Library name on outside of book
Gilding or impressing name of library on back or covers
.255 Card pockets
.26 Duplicate and exchange departments
.261 Duplicates
Definition, rules and decisions, marking, stamp, plate, etc.
.262 Duplicates of institution's own publications
Either of library or larger organization including it; e.g. duplicate Columbia publications in Columbia university library; stock on hand
.263 Cataloging
.264 Arrangement
.265 Sale for cash
.266 Exchange
General exchange of publications; exchange accounts
.267 Clearing house for duplicates
See also 021.852 Vattemare international exchanges, Smithsonian exchanges
.268 Gifts to other libraries
.269 Deposits
By large libraries in small or in hospitals, prisons, etc. also deposits in great collections by individuals or small libraries. See also 025.218
.29 Special material
Divided like 025.17

025.3 **Catalog**

For printed catalogs themselvs, see 017–019. This is for *cataloging*
Printed, manuscript, or card; Author, subject, title, clast; Dictionary or combined; Cooperativ rules; Size notation; Cooperativ cataloging; Duplicated titles, print or photografy; Mechanical accessories, cards, cases and fittings, drawers, trays, blocks, checks, guides, labels

.4 **Classification**

For philosofic classification of knowledge, see 112 Methodology. This is for practical classing of books, pamflets, and notes, rather than theoretic speculation
On shelvs; in catalogs; in dictionary catalogs; Systems of notation, figures, letters, symbols, combined; Importance and advantages; Difficulties; Close vs broad classing; Mnemonic features; Basis of division; Coordination of special subjects

.5 **Reference Reference books Aids to readers**

See 028 for general discussion of reading and aids. This is limited to library administration

.6 **Loan**

See 024 for rules for readers
Indicators; Charging systems, legers vs cards; Book cards, marks, pockets; Call slips, readers cards; Notises, reservs; Registers; Interlibrary loans; Mechanical accessories, slip cases, trays, tills, stamps, etc.

.7 **Binding and repair**

See also 686 Bookbinding
Materials, durability, tight vs spring backs, sewing, color, letterng; Paper covers and temporary binders; Restoring, mending, cleaning, and oiling

.8 **Shelf**

See also 022.4, Shelving
Arrangement; Shelf numbers; Shelf and book labels; Fixt and relativ locations; Sizes of shelvs; Arrangement and preservation of public documents, pamflets, papers, manuscripts, maps, drawings, and plans, music, broadsides, clippings; Chaind books; Injuries, heat, gas, insects; Stock taking; Shelf lists

.9 **Bilding: care, cleaning, safety Janitor Police**

See 022 for bilding and fittings. This is janitor s department

026 Libraries on special subjects

Histories, reports, statistics, bulletins, handbooks, circulars and every thing about the library not more required in preceding sections. Subdivided by adding clas number of subject; c. g. a Medical library is 026.61; a Ches library, 026.7941; but the *catalog* of a ches library is 016.7941. Blanks etc from any library go under subjects in 025, as more used in studying topics: but, if history of individual libraries is specialized, duplicates ar also desirable under the library in 026–7, thus making a complete set of its publications

027 General libraries

This includes both circulating and reference; i. e. all not limited to special subjects

Clas here histories, reports, statistics, bulletins, handbooks, circulars and everything about the library not more required in preceding sections

Subdivided if wisht (except 027.6 and 027.8) by countries, like 930–990; e. g. 027.744 College libraries in France. Or if wisht, group all by geografic location, using 0 in 4th place to indicate no division by *kinds* of libraries; e. g. 027.044 Libraries of France; 027.07471 Libraries of N. Y. city

A private library is still clast 027.1, after it has been sold or merged in a public library. But a society library changed to a free public should take 027.4 for all publications after the change

.1 Private and family

.2 Proprietary, society, club and Atheneum

.2 is limited to libraries that ar semiprivate, requiring an election for admission, while .3 includes all open to any one on payment of a fee. It is the difference between a club and a hotel. .3 is for libraries run as a business. A mercantil library, even tho it has endowments, if open without individual election, goes in .3 as a subsidized public subscription library. Many private subscription libraries go in .2

.3 Subscription Circulating

Mudie's, Booklovers, etc.

027.4 **Free public Rate supported Endowd**

Public library commissions. See also 331.85 Libraries in intellectual life of laboring classes, and 027, last note

.42 Special kinds of public libraries

.422 According to area servd

For national and state libraries see 027.5; see also 021.6 Library extension, 021.65 Traveling libraries

2 **Urban, city**

3 **Rural, country**

Include here general discussions of village libraries

4 **County**

5 **Township**

New England 'town' libraries

6 **District School district**

See also 027.8 School libraries

.423 According to means of support

See also 021.9 Library support

2 **Rate or tax supported**

3 **Endowd**

.424 According to function

2 **Circulating**

Free circulating libraries; for circulating libraries charging rental or fee see 027.3. See also 024.6 Rules for home use, 025.6 Loan department administration

3 **Reference**

See also 024.5 Rules for reference use, 025.5 Reference department administration

027.5 State and government

.6 For special classes

See also 021.28 Library's educational work for special classes of users, 026 Libraries on special subjects. A workmen's library of books on engineering is clast 026.62, not here, as the subject is more useful than the clas of readers

.61 General questions

.62 Libraries conducted with reference to age and sex

.621 General questions

.622 Libraries for adults

For religious organization libraries for adults see 027.674

.623 Men

For religious organization libraries for men see 027.6742

.624 Women

For women's room see 022.57. For religious organization libraries for women see 027.6743

.625 Children's and yung people's libraries and departments

Library work with children. See also 021.3 Library in relation to schools and the yung, 021.67 Home libraries, 022.58 Children's room, 027.675 Religious organization libraries for yung people, 027.8 School libraries, Sundayschool libraries, 028.5 Reading of yung

1 **General questions Method**

12 Instruction in use of books and catalog

13 Disciplin

15 Story telling

.626 Groups by age

Picture book group

.627 Boys libraries

Boy scout libraries, etc. For religious organization libraries for boys see 027.6752

.628 Girls libraries

Campfire girls libraries, etc. For religious organization libraries for girls see 027.6753

.63 Foreners and special racial groups

For library's educational work for foreners see 021.28

.632 According to language

Divide like 400, preferably using country divisions (027.633–.639) when possible

.633–.639 According to country of origin

Divide like 930–999, e. g. libraries for negroes 027.636. Divide by country when possible, using language divisions (027.632) for groups like Semitic, Aryan, Teutonic, English etc

.64 Industrial classes Workmen's libraries

For discussion of library in relation to intellectual life of laboring classes see 331.85

.642 Factory

.643 Railroad

.644 Marine Ship libraries

Merchant marine libraries, library work with sailors, libraries in sailors homes. For warship libraries and library work with navy see 027.653

027.65 Government units
For general national and state libraries see 027.5. For such government department libraries as ar primarily libraries on special subjects, see 026
.652 Army: military post libraries, camp libraries
Work with soldiers. See also 940.477 Welfare work in World war
.653 Navy: warships, navyyards
For merchant ship libraries see 027.644
.655 Police stations
.656 Fire stations
Clas here libraries for firemen, even when the fire organizations ar voluntary
.657 Lifesaving servis: stations, lighthouses Bridge tenders
.66 Welfare institutions Work for the afflicted
.662 Hospitals and asylums
1 General questions
2 General hospitals Sanitariums
3 Insane Feebleminded
4 Def Dum
5 Poorhouses
6 Libraries for aged, infirm, invalids
.663 Blind
Library work for blind; reading for blind; types
.664 Reformatories
.665 Prisons
.67 Religious organizations
See also 026.2 Religious libraries, 027.83 Sundayschool and parish libraries
.672 Monastic
.673 Religious societies
Salvation army
.674 Adults
2 Men
See also 267.3532 Library as part of Y M C A
3 Women
See also 267.5532 Library as part of Y W C A
.675 Yung people
2 Boys
3 Girls
.678 Sectarian (Christian)
Not limited as to subject but selected with sectarian bias. Divide like 280
.679 Non-Christian religious organizations
Divide like 290
.68 Social groups
Social clubs, hotels, ocean liners. For society and club libraries where the library is the primary consideration see 027.2;027.68 is for libraries conducted incidentally (with or without charge) in connection with social clubs etc
.69 Other
Clas under 027.62–.68 libraries coverd by those general heds, even if not specificly mentiond. Clas here only those libraries not otherwize provided for. Divide like main clasification
.7 College, university
For libraries of professional and technical schools see 026

027.8 School Sundayschool Parish

.81 General questions

.82 School libraries

See also 021.3 Library work in relation to schools and the yung, 027.625 Children's libraries, 027.7 College and university libraries, 028.5 Reading of yung, 371.64 Libraries as school equipment

.822 Types

2 Elementary

22 Kindergarten

3 Secondary

4 Traveling

See also 021.65 Traveling libraries in general

.823–.829 In special countries

Divide like 930–999

.83 Sundayschool and parish libraries, etc

.831 Sundayschool libraries

See also 268.233 Library as part of Sundayschool equipment, 268.336 Librarian as part of Sundayschool personnel

.832 Parish or parochial libraries

See also 257 Parish educational work

.833–.839 In special countries

Divide like 930–999

.9 Free reading rooms and newsrooms

See also 022.17 Location of branch newsrooms and reading rooms, 022.5 Reading rooms (under Library bildings), 024.5 Rules for reference use, 025.5 Administration of reference department

.92 Reading rooms

See also 331.85 Reading rooms in relation to intellectual life of laboring classes

.922 Newsrooms

See also 022.6332 Newsrooms, under Library bildings

.93–.99 In special countries

Divide like 930–999

028 Reading and aids

See 374.1–.2 Self education by private reading and reading circles

.1 **Methods**

Tasting, skipping, reviewing, making synopses, abstracts, extracts, and index rerums (see 029), book marking

.2 **Choice of editions**

Annotations, indexes, paper, type

.3 **Courses of reading**

Both discussion and lists of books

For sets of books representing prescribed courses for general culture, e. g. *Harvard classics*, see 080

.4 **Fiction Novel reading**

Discussion. Short selected lists may be put here, tho all fiction lists are better together in 016.823 (in German libraries 016.833, French libraries 016.843, etc.)

.5 **Reading of young Juvenils**

Both discussion and lists of books

.6 **Professorships of books and reading**

Lectures. Stimulus and guidance in schools

.7 **Use of reference books**

.8 **Aids to readers**

Guidance, printed or personal. See also 028.6 and 025.5

.9 **Character of reading in libraries**

029 Literary methods and laborsavers

Much in 025 and 028 belongs equally under 029 in its full meaning, but practical convenience is best servd by referring to 025 and 028 insted of repeating the heds

.07 **Study and teaching**

.1 **Methods**

Exact reference; standard sizes; use of colors; thought study; intercalation or card system (see 025.3); cooperativ methods; records vs memory, etc. See 653 Abbreviations and shorthand; 154.1 Mnemonics; 025.4 Classification

.1 is for what one *learns* how to do by an improved *method*

.2 is for articles which one must make or buy in order to utilize. Where a pamflet covers both appliance and method, class with predominant feature

.2 **Appliances Laborsaving tools and devices**

See also 651. Most literary laborsaving devices go also under 651, Offis equipment and methods; and are best kept together there; e. g. all offis and study furniture, fittings and supplies, cases, bookholders, reading desks, pigeonholes, files, etc. For pamflet, map, etc. cases, see 025.8; for binders, 025.7

.3 **Clippings Scrapbooks or files**

See also Files, 651.5

.4 **Notebooks, notetaking, abstracting, etc.**

.5 **Indexing Index rerums Printed and patent indexes**

For alfabeting and transliteration see 025.3

.6 **Authorship Writing for press Copy and proof**

See also 655.25 Proofreading; 655.52 Relations to publishers

.7

.8

.9

030 General cyclopedias

Subdivided according to language

031 American

Limited to cyclopedias in English publisht in North America

032 English

All cyclopedias in English publisht outside North America

033-036 Divided by language like 430-460

E.g. 033 German, 033.931 Dutch, 034 French, 034.99 Catalan. But clas Scandinavian cyclopedias in 038

037 Russian

.8 Other Slavic or Slavonic

Divided like 491.8; e.g. 037.85 Polish

.9 Ukrainian Ruthenian

038 Scandinavian

.6–.82 divided like 439.6–.82; e.g. 038.82 Norwegian

039 Other

Divided by language like 420–499, except for those specially provided for above; e.g. 039.89 Modern Greek, 039.94511 Hungarian

040 General collected essays

Subdivided like 030

050 General periodicals Magazines

Subdivided like 030

060 General learned societies

Subdivided according to country

Academies of Paris, Berlin, Vienna, etc. Societies on a specific subject go with that subject; e.g. 550.6 Geologic societies. See also 360 Institutions and associations, for filanthropic, political, social and similar organizations

061-067 divided like 071-077

E.g. 061.44 Massachusetts learned societies, 061.2 Mexican, 063.8 Polish, 066.9 Portuguese

068 Other

Divided geografically like 930–999, except for those specially provided for above; e.g. 068.481 Norwegian, 068.82 Argentine

069 Museums Museum economy

The following classification is somewhat reduced from the schedules prepared by a committee of the American Association of Museums, consisting of L. V. Coleman, chairman, E. O. Hovey, H. W. Kent and H. L. Madison. Developt primarily for museum use, many subjects ar included in the ful schedules (for which see eds. 12 and 13) for which provision is made elsewhere in the main classification. For these it is recommended that in general the other number be used (e.g. see note under 069.018). For complete list of form divisions see Table 2 following Relativ index

.01 **Theory: Objectivs, ideals, scope, etc.**

.011 may be divided like .01 in Table 2 following Relativ index, e.g. 069.0111 General purpose of museums

.012 Museums from standpoint of support and control

.013 Public .016 Elementary and secondary

.014 Association Society school Children's

.015 College University .017 Private

.018 Museums from standpoint of field coverd

Including discussion of possible range of museum subjects and theoretic discussions on general museums covering several subjects, e.g. science, art and history. Material on museums devoted to a single subject may also be clast here, subdividing .018 like the whole classification, e.g. 069.0185 Science museums; but in general prefer specific subject, e.g. 507.4 Science museums

.019 Museums from other standpoints

According to phisical character, outdoor museums, expositions, etc.

SUMMARY

069.1 **Educational and recreational functions**
.2 **Buildings**
.3 **Equipment Furnishings Supplies**
.4 **Collecting Preparing Repairing Restoring**
.5 **Collections Exhibits**
.6 **Administration**
.7 **Publications and publishing**
.8 **Research**

069.1 Educational and recreational functions

Including museum functions in Americanization, conservation, etc.

.107 Principles of museum education

Museum work with children, school service, adult education

.13 Lending objects, collections, exhibits

For scope and character of lending collections see 069.56

.14 Lending slides, films, projectors

Includes lending of written lectures to accompany slides; also sale and exchange of slides and films. For scope of slide and film collections see 069.57

069.15 Museum instruction

Information buros, lectures, story hours, museum games, study clubs, field instruction, training teachers in use of museum facilities, etc.

.16 Music in museums .18 Publicity

.2 Buildings

Clas here general works on museum buildings and works including descriptions and pictures of a considerable number of buildings. Descriptions and pictures of an individual museum ar best clast with history of that museum in 069.09

.21 Location, site, improvement of grounds, etc.

.22 Architectural design and decoration

.23 Materials Construction

Including preservation and repair. Foundations, walls, roofs, floors, ceilings, windows and doors, stairs, fire escapes, etc.

.24 Construction of special rooms

Including museum rooms in schools, libraries, etc. May be alfabeted by rooms

.28 Reconstruction

Remodeling, catastrofies, etc.

.29 Service construction

Including service machinery, fixtures and fittings. Plumbing, lighting, heating and air conditioning, power construction, fire protection, 1st aid cabinets, etc. For fixtures for specific rooms see 069.36

.3 Equipment Furnishings Supplies

For service equipment see 069.29

.31 Exhibit cases Screens Pedestals

Cases, etc. for special purposes should be clast with purpose

.32 Exhibit apparatus

Projection, viewing and sound apparatus. Lanterns, phonografs, etc.

.33 Furnishings Fittings Furniture

Including desk fittings, tools, implements, storage containers, museum glasware, etc. When limited to special purpose clas with purpose; furnishings for special rooms clas in 069.36

.34 Supplies General materials

Cleaning supplies and use, fuel, stationery, etc. Materials for general use: Wood, stone, metal, paper, glas, chemicals, glues, etc.

.36 Equipment of special rooms

May be alfabeted by rooms

.4 Collecting Preparing Repairing Restoring

This section is for all methods, special equipment and materials involvd in preparing objects and specimens for exhibit or for incorporation into a study collection. Since preparation of certain kinds of material is begun in the field, it is impossible to divorce the collecting from the preparation of these. On the other hand, much material, specially in art, is collected by methods treated under 069.51 Acquisition, so only its 'getting redy' (restoration and repair) is included here. The tecnic of excavating (069.419), however, applies in part to works of art

069.41 Modeling Molding Casting Coloring

Including materials used; e.g. clay, wax, plaster, glas and other plastics; fabrics, etc.

.411 Modeling Pattern making

.412 Molding

.413 Casting

.414 Electroplate reproduction

.415 Coloring

.419 Excavating

.42 Construction of models

Architectural, ethnografic, etc. Models of caves, animals, plants, etc. Relief maps, etc.

.43 Construction of groups

Composition, layout, field work, backgrounds and foregrounds, case and lighting, etc.

.44 Expeditions

Equipment, supplies, personnel, transportation, relations with nativs, guides, regional information, protection of materials, packing, etc.

.45–.49 Collection and treatment of special materials

.45 Science materials

.451–.459 may be used corresponding to the divisions 51–59 of 500 Pure sciences, e.g. 069.455 Geologic materials: rocks, minerals. Use 069.4592 Invertebrates, 069.4596 Vertebrates

.46 Industrial and commercial materials

.47 Art materials

.471–.476 may be used corresponding to the divisions 71–76 of 700 Fine arts, e.g. 069.473 Sculpture, ceramic materials

.477 Textils Weaving

.478 Wood and metal work

.479 Other art objects

.48 Literary material

.49 History material

.5 Collections Exhibits

.51 Acquisition Disposal

Policy, manner of selection and disposal, terms of gift or bequest, purchases, sales, dealers, prices, terms of loan, exchanges, etc.

.52 Registration and recording system

Accession record, catalog, index, donor list, etc.

.53 Exhibition

Discussion only. Principles of visual presentation: arrangement of exhibits, museum fatigue. Originals v. reproductions; scope, classification, correlation of exhibits; temporary exhibits; installation methods and devices; labels and labeling; public catalogs, guides, gallery leaflets, etc.

.54 Specific museum material

For data concerning museum objects themselvs, whether exhibited or in reserv, including thefts, forgeries, etc. May be divided by subject like the whole classification, e.g. 069.54913 Data on antiquities as museum objects

069.55 Study collections: scope, arrangement, housing
Classification, tagging, shelving, storage, etc.

.56 Lending collections: scope, arrangement, housing

.57 Filed collections and materials
Including all information concerning material and accessories which ordinarily ar filed for preservation. Photografs, negativs, slides, films, maps, broadsides, etc.

.58 Library

.581 and .583–.585 may be used and subdivided like 021 and 023–025 of Library economy so far as applicable, e.g. 069.581 Scope of museum library, 069.5852 Acquisition of books. Clas material on construction of library room in 069.24, on equipment in 069.36

.6 Administration

.61 Organization
including discussions of questions involvd in founding and in relationship to federal, state or local government, in so far as control is concernd; various forms of organization, etc. Charters, constitutions, bylaws, membership, etc.

.62 Principles Regulations Ethics
Including publisht codes of rules; regulations for staf, members, visitors, patrons, students, etc.

.63 Personnel
Professional requirements, qualifications and duties, appointment, hours, vacations, etc. Governing board, staf, women's auxiliary, etc.

.64 Finance
Value of collections and other property, income, expenses, plant (including agreements with government for use of public land and buildings), endowment, accounting and budgeting; employes welfare, pensions, employe clubs, etc.

.65 Office methods
Filing, correspondence, statistics, etc.

.66 Care of buildings and grounds

.67 Branch museums Outdoor exhibits
For outdoor museums see 069.019. See also 069.52 for registry of outside objects

.68 Cooperativ relations
Intermuseum relations; relations with other institutions, groups, etc.: with schools, business world, etc.

.7 Publications and publishing
For discussions of publication and for complete file of an institution's own publications: authorship, publishing arrangements, printing, binding, distribution, storage, etc. *Also for other museum publications when clast as such*, for use as format, sample publications, etc. When dealing with special subject they ar preferably clast under subject, e.g. museum reports in 069.09

.8 Research

070 Journalism General newspapers

See also 029.3 Clippings Clipping bureaus
179.1 Morals of the press
323.445 Liberty of the press (political science)
351.751 Regulation of the press (government administration)
396.507 Women in journalism
655 Printing Publishing Copyright
741 Cartoons Caricatures

.1 Utility Theories Relations to other professions

For government relations see 070.15

.11 Standards Ethics Influence Responsibility

General and higher view, educativ influence; for degradation of the press see 070.16

.12 Endowd newspapers

Independence of popularity

.13 Liberty of the press Censorship

Individual privacy; diplomatic secrets; seditious or anarchic influence
See also political science, 323.445 Freedom of the press

.14 War censorship

.15 Subservience to special interests

Use by sectarian, partizan or private interests. Government relations and influence: subsidies, 'reptil fund'

.16 Sensational or ' yellow ' journalism

Fictitious news; scandals, murder and divorce trials; blackmail, bribes

.17

.18 Anonymous journals

Those with editors or place of publication unknown

.19 Other general questions

Comparison of field, importance and influence of newspaper, periodical and book

.2 Ownership and control

.22 Newspaper names

.23 Location

.232 Metropolitan Large city

.234 Provincial Small city

.236 Rural or village

.26 Syndicates Patent insides

.3 Business management

.31 Staf and workmen

.311 Offis staf

Manager, stenografers, bookkeepers, clerks, messengers

.312 Workmen

Compositors, foundrymen, pressmen, mechanics, laborers

.315 Hours, shifts

.318 Newspaper strikes

070.32 Newspaper printing

Clas here discussion of economy and other advantages of special methods and appliances

For mechanism and operation of newspaper presses see 655.31 Printing presses

.321 Size of page

.322 Methods and appliances

2 **Composition: linotype, monotype, etc.**

3 **Stereotyping**

4 **Presses**

.324 Newspaper cuts: wood, zinc line, halftone

.325 Frequency of issue

Daily, semiweekly, weekly, etc.

.327 Time of issue

Morning, evening, successiv editions, extras

.328 Size of editions, number printed

.33 Distribution Circulation Sale

.331 Direct: subscription Mailing

.332 **House delivery**

.334 Indirect: newsboys, news agencies, etc.

Crying and peddling in streets; news stands

.336 Advertizing methods

Subdivided like 659.1 Advertizing

.337 Specialties

As means of increasing circulation. For special departments see 070 43-.44

Regular: foren or marine news, stocks, sporting, etc.

Occasional: adoption of popular causes, exposure of abuses, etc.

.338 Other means of increasing circulation

Competitions, guessing contests, prizes, fairs, lotteries, expeditions, etc.

.34 Cost of production Expenses

.341 Plant: bilding and equipment, offises

Duplicate plant. Depreciation of machinery

.343 Supplies: paper, stationery, etc.

.344 Salaries and wages

Space rates. Pay of journalists, pecuniary inducements of vocation. Traveling expenses

.345 Postage: pound rates, free carriage

.348 Advertizing

Necessity and cost of advertizing itself to gain circulation and secure advertizements. For methods see 070 336

.349

.35 Sources of income Receits

Sales, subscriptions, subsidies. For bribes see 070.16

.36 Advertizing department

Including all business pertaining to a journal's advertizing colums. For advertizing agencies see 659.112

.39 Foren offises

Subdivided like 940-999; e.g. *N. Y. herald* office in Paris 070.394436

070.4 **Editorial management**

.41 General

Editing rules: order of departments and articles; style; newspaper diction

.42 Staf: reporters, correspondents

Organization: hours, duties. For pay see 070.344

.43 Editorial departments

.431 News

1 **Sources and channels of news**

Telegraf, telefone, wireless, mail, reporters, carrier pigeons, other
Utilization and precautions; conflicting news

2 Press bureaus: associated press

Laffan and other news bureaus. For clippings see 029.3 under Literary methods and labor savers

5 **Foren**

6 **Home**

7 **Local**

.432 Leaders, editorials

.433 Local interests

Discussion of local affairs, questions affecting schools, library, public works, etc. For local *news* department see 070.4317

.44 Special subjects: departments and editors

.443 Financial: stocks, business, shipping, etc.

.445 Household Home Women Children

2 **Cookery**

4 **Clothing Fashions**

6 **Hygiene Care of children**

7 **Women's clubs**

8 **Children's department: games, puzzles, etc.**

.446 Recreation Sporting

.447 Art, musical and dramatic

7 **Art**

8 **Musical**

9 **Dramatic**

.448 Literary

1 **Poetry**

3 **Fiction**

.449 Other departments

2 Religion; 3 Education; 5 Science; 8 Humor

.45 Voluntary correspondents Contributors

.47 Special editions

Sunday newspaper. Supplements. For extras see 070.327

.48 Special kinds of journals

.481 Official journals

.482 Religious

.484 For foren population

In language foren to country in which publisht

.485 Propagandist

.486 Professional and technical

.487 Humorous

.488 Literary

070.489 Other: amateur, etc.

070.5-.9 Form divisions

.5 **Periodicals on journalism**

.6 **Press clubs** **Conventions** **Expositions**

.7 **Study and teaching of journalism** **College courses**
Schools Personal qualifications for journalism

.9 **History of newspapers and journalism**
General History of American newspapers 071, of German journalism 073, etc. Clas history of a particular journal with that journal

071-079 Newspapers of various countries

The 3d figures 1–9 are used as follows:

1 American	4 French	7 Slavic
2 English	5 Italian	8 Scandinavian
3 German	6 Spanish	9 Other

In large collections use geografic divisions under 1, American; 2, English, etc. as in 970 and 940–999. Because of large size and very general character, it is better to keep newspapers together here than to clas with local history of the place where publisht. They could not go on shelvs with ordinary books, and a reference is made as easily to them under 070 as anywhere.

080 Polygrafy Special libraries

For sets or 'libraries' so constituted as not to be redily scatterd by subjects, and miscellaneous information; but clas in 807.6 literary questions and ansers. 080 includes works composed of several distinct writings, united in a single collection or series other than periodicals, newspapers and collections of lerned societies. Collections conditiond by terms of gift on being kept together may be put here, but for preferable treatment of sets, see in Introduction, Assyning clas numbers, section 11, and Reference library. If limited to a special subject, treat like Phoenix library, but shelv the collection in a block before or after the regular books on the same subject; e.g. the Doe collection on Spanish painting, D759.6, would stand together, yet would be where it belongd with the rest of the books on that subject.

081 Individual polygrafy

Complete or partial collections of an author's works, treating of various subjects. If they treat exclusivly or mainly of one subject they ar clast with that subject

082 Collectiv polygrafy

Distinct works of several authors, treating of different subjects and publisht in a collection

.1 Libraries or series

Clas here only such as include several branches of knowledge

.2 Miscellanies, extracts etc.

Clas here only such as include several branches of knowledge

083 Official publications

Official publications of countries, states, provinces, cities and other public bodies and powers may be clast together here but ar much better clast with subject treated or, if too general for that, with the body by which they ar issued

087 Publications for various classes of readers

.1 Children's literature

Children's collections may be clast here but ar much better kept as a separate collection markt J, the separate books being given their regular subject numbers (see section relating to Juvenils, in Introduction)

090 Book rarities

Books about these topics, and those chiefly valuable because of their rarity, go here. A rare early edition of Shakspere goes in 822.33 with reference from 094. 090 is mostly used for grouping references to books located elsewhere.
See also 010 for bibliografy and bibliofily; 655 for printing and publishing.

091 Manuscripts

Clas in 096 mss important chiefly for illumination. Photografs of mss, when more valuable for subject matter, go with subject rather than here
For Diplomatics and Paleografy, see 417, and under the special language, 421.7, 431.7, etc.

.5 Autografs

.6 Printed works with notes in hand of celebrated writers

When notes ar by author of work, clas in 091.5

092 Block books

093 Books printed before 1500 Incunabula

Colophons

094 Rare printing

.1 Books of great rarity but later than incunabula

Typografic masterpieces (Aldines, Elzevirs, Caxtons, etc.); small editions; privately printed books; books interesting from choice of type, accuracy etc.

.2 Unique copies

.3 Editions de luxe

On colord or large paper or printed in colors

.4 First editions

095 Rare binding

Noted binders, costly ornaments, curious bindings, bindings bearing coats of arms

096 Rare illustrations or materials

.1 Rare illustrations

Illuminated. Illustrated by inserted plates

.2 Rare materials

Printed on vellum, silk, bark etc. in gold or silver letters etc. Works in caracters woven, carvd, engraved etc.

097 Ownership Book plates Ex libris

098 Other classes of works, based on inner caracteristics

.1 **Prohibited books**

Condemd by temporal or spiritual power. Books supprest or censord Library inferno. Obscene books, sold secretly

.11 Prohibited by religious authorities

Index expurgatorius. Index librorum prohibitorum. Books proscribed as contrary to church faith, tradition or disciplin

.12 Prohibited by civil authorities

Contrary to morality, government or social peace. Seditious, satirical or libelous books

.3 **Books lost, imaginary, supposed, projected**

.5 **Books with key**

099 Other classes of works, based on outer caracteristics Curiosa

.1 **Minute size, etc.**

Microscopic editions, dwarf books

Philosofy

100 Philosofy in general

Works limited to none of the 9 divisions

101 Utility

102 Compends Outlines

103 Dictionaries Cyclopedias

104 Essays Lectures Addresses

105 Periodicals Philosofic magazines

106 Societies: transactions etc.

107 Study and teaching of philosofy

108 Polygrafy, extracts, maxims etc.

109 History of philosofy

See also 140 Philosofic sistems, 180 Ancient philosofers, 189 Erly Christian and medieval philosofers, 190 Modern philosofers

110 Metaphysics

111 Ontology

Nature of being. Substance and form

.1 **Analisis of idea of being, of 1st substance**

.11 Existence

Distinction from essence

.12 Essential being Essence Quiddity

.125 Possible being Intrinsic possibility

Divine essence and the possible

.3 **Substance Monad**

.31 Distinction from accidents Phenomenalism

See also 142 Phenomenalism (philosofic sistem)

.32 1st substance Individual substance

Subsistent being, hypostasis

.321 Formal reason of subsistence

.322 Principle of individuation of corporeal beings

Immultiplicability of separate forms in a given space

.33 2d substance Abstract essence

.4 **Accidents**

.41 Existence of accident

Conjunction with or separability from substance

.42 Qualities Powers Operativ possibilities Forces Faculties

.5 **Relation**

.51 Existence of real relations

Confuson of their reality with that of correlativ terms; relativistic theories

.6 **Acts Operations**

.61 Being in potentiality Being in act

For applications to substantial action see 113 Cosmology, 231.8 Theodicy

.62 Motion Evolution

General law: nothing actualizes itself. See also 116 Motion in cosmology, 146 Evolutionism (philosofic sistem), 575 Evolution in biology

.7 **Created and uncreated being Immateriality**

.8 **Transcendental properties of being**

.81 Distinction between being and its transcendental properties

Number of transcendental properties, primary principles

.82 Unity Nonexistence Plurality

Unity and indivisibility of being

.821 Real distinction Distinction of reason

Oneness, identity; unity of composition, simplicity; metaphysical composition; multitude, indefinit number; possibility of infinit multitude. See also 119 Number in cosmology

.822 Unity Transcendental property of all being

Reconciliation of unity of beings with their synthesis

111.83 Truth

See also 177.3 Ethics

.831 Conformity with an ideal type

God and truth. Unity or multiplicity, eternity or temporality, immutability

.832 Truth, transcendental property of all being

The false in nature

.84 Goodness Evil

See also 179.9 Ethics, 216 Good and evil in natural theology

.842 Goodness, transcendental property of all being

.845 Evil: its relativity, its cause

.85 Beauty

See also 701.17 Esthetics

.851 Objectivity and subjectivity of sentiment of beauty

.852 Beauty, transcendental property of all being

112 Methodology

Philosofic clasification of knowledge. Terminology. For book clasification see 025.4

113 Cosmology

Philosofy of nature, physical or inorganic world from philosofic viewpoint, cosmos, nature, universe; general laws of nature, substantial transformation and corruption, origin of world, cosmogony

Philosofic theories and discussions. See also 117 Matter, 146 Mechanism, 510.1 Philosofy of mathematic processes

114 Space Locus Void

Internal and external space, infinit space, plenum. See also 115.4 Space-time; 119 Quantity, number; 152.752 Space perception

115 Time Duration Eternity

Relation of time and motion. See also 116 Motion; 119 Quantity, number; 152.753 Time perception; 218 Eternity in natural theology; 237.1 Eternity in Christian theology

.4 **Space-time**

116 Motion Change Transition

Movement; transitional, inherent, remote action; event. See also 111.62 Motion in ontology, 115 Relation of time and motion, 152.754 Perception of movement

117 Matter Body

See also 118.2 Identity of energy and matter

118 Energy Force Power

Properties or accidents of inorganic substances. See also 531.6 Conservation of energy

.2 **Identity of energy and matter**

See also 117 Matter

119 Quantity Number Extent

Mesurement, bulk, mas; continuity, continuousness. Distinction from substance; quantity and principle of individuation of corporeal substances. See also 114 Space, 115 Time

120 Other metaphysical topics

121 Epistemology Theory of knowledge

Origin, sources and limits of knowledge. Relativity of knowledge. The unknowable. Dout. Denial. Belief. Faith. Theory of values, worth. See also 165 Logic

122 Cause and effect Causality Causation

Material cause, formal cause, efficient or moving cause, original cause; condition, occasion. See also 124 Final cause

123 Freedom and necessity

Contingence. Chance. Liberty. Determinism. Indeterminism. See also 159.1 Freedom and determinism in psychology, 233.7 Freedom in theology, 234.9 Predestination

124 Teleology Purpose Final cause

Norm, pattern, ideal, perfection, archetype, exemplars, exemplary cause

125 Infinit and finite Indefinit

126 Consciousness (Personality)

The self. See also 153.7 Psychology, 233.6 Religious doctrin

127 The unconscious The subconscious

Unconsciousness, subconsciousness, automatism. See also 153.8 Psychology

128 The soul

Nature of life and deth

129 Origin and destiny of individual soul

.1 Special creation

See also 213 Creation

.2 Inheritance Traduction

See also 136.3 Mental heredity, 233.3 Spiritual heredity, 575.1 Evolution

.3 Pre-existence

.4 Transmigration Palingenesis Metempsychosis

Incarnation, disincarnation, reincarnation

.5 Emanation

See also 147 Panthcism, 212 Natural theology

.6 Destiny

Immortality, survival, annihilation etc. See also 218 Natural theology, 237 Future state

130 Physiologic, abnormal and differential psychology Metapsicology

For general psychology see 150. See also note under 150

SUMMARY

131 Mental physiology and hygiene Physiologic psychology
132 Mental derangements
133 Transcendental psychology Occultism Occult sciences
134 Hypnotism Animal magnetism
135 Sleep and wakefulness Dreams Somnambulism
136 Genetic psychology Mental caracteristics
137 Individual psychology Individuality Personality
138 Physiognomy
139 Phrenology Mental photografs, etc

.1 General theory

For other subdivisions and other form divisions see Table 2 following Relativ index

.16 Miscellaneous theories

Relations of mind and body, psiconeural parallelism. Philosofic anthropology. Mutual influences of sensitiv and suprasensible life

.162 Dualistic theories

2 **Interaction**

22 Mutual interaction

23 Occasionalism

24 Cause theory Influxus physicus

See also 122 Cause and effect

3 **Parallelism**

32 Preestablisht harmony

33 Methodologic parallelism

Physiologico-psychologic parallelism

34 Psychophysical parallelism Pseudomonistic

342 Double or dual aspect theory

343 Naturalistic theory

See also 130.16322 Conscious automaton theory

.163 Monistic theories

2 **Materialistic Materialism Mechanistic**

See also 146 Materialism

22 Conscious automaton theory Automatism

See also 127 Unconsciousness, automata; 130.16234 Psychophysical parallelism

23 Epiphenomenon theory Epiphenomenalism

3 **Spiritualistic Spiritualism Idealism Animism**

See also 128 The soul, 141 Idealism

32 Spiritual monism Psychic monism

See also 147 Monism

33 Panpsychism Spiritual pluralism

See also 147 Pantheism

34 Mind-dust or mind-stuf theory

131 Mental physiology and hygiene Physiologic psychology Psychophysiology

For anatomy and physiology of special senses and mental functions see 150; see also 611.8 Anatomy of nervous sistem, 612.8 Physiology of nervous sistem, 150.72 Experimental psychology

.1 **Anatomy of nervous sistem**

Evolution and devclopment. May be divided like 611.8. Most important subdivisions ar given below

.11 Brain

Form, size, weight. See also 611.81 Anatomy

.12 Spinal cord

See also 611.82 Anatomy

.13 Nervs

See also 611.83 Anatomy

.139 **Simpathetic and autonomic nervous sistem**

See also 611.839 Anatomy

.2 **Physiology of nervous sistem**

May be divided like 612.8. Most important subdivisions ar given below

.21 Nerv fibers Neurons Fibrils

Nerv elements, nerv impulse, nerv connections, synapse. See also 612.81 Physiology

.215 **Physiologic morfology of nervous stimulation**

End organs and receptors of nervous sistem. See also 612.815 Physiology

1 Sensory terminations

2 Motor "

.22 Nerv centers Brain

See also 612.82 Physiology

.222 **Nerv cels and nerv centers**

1 Chemistry of nervous sistem

.225 **Cerebral convolutions (cortex)**

May be divided like 612.825. See also 612.825 Physiology

2 Psychomotiv centers Localizations

Divide like 612.8252

5 Sensory functions of convolutions

Divide like 152 Sense perceptions

8 Intellectual and motor functions

Divide 83–89 like 153–159 Psychology

.23 Spinal cord and nervs

See also 612.83 Physiology

.233 **Reflex and automatic functions**

See also 612.8216 Psychic reflexes, 612.833 Spinal reflex action

.29 Simpathetic and autonomic nervous sistem

See also 612.89 Physiology

.3 **Mental hygiene**

See also 132 Abnormal psychology, 613.8 Hygiene of nervous sistem

.32 Mental helth Menticulture Helth promoting agencies

.323 **Influence of personal habits, diet etc on mental helth**

May be divided like 613 Hygiene

.324 **New thought**

Mental science, new metaphysic movement, metaphysic healing. See also 615.851 Mind cure

131.33 Unhygienic agencies

.334 **Action of poisons**

See also 612.8214 Physiology, 615.95 Neurotic poisons

1 Alkaloids

2 Nonalkaloids

4 Alcohol

.335 **Effect of disease**

See also 612.8215 Physiology

.336 **Effect of overwork, fatigue, mental strain**

.337 " " **worry**

.34 Psychoanalisis

See also 153.8 Depth psychology

.3407 Clinics Training classes

.341 **Explanations of mental processes**

2 Dynamic

22 Instincts: ego instincts, sex instincts, etc

Libido, ambivalence

23 Complexes: Oedipus complex, Electra complex, inferiority complex, etc

24 Conflict: censorship, repression, regression, conversion, transference, fixation, rationalization, simbolism, sublimation, compensation etc

3 Economic

Plesure-pain principle, reality principle, etc

4 Topografic

Id, ego, super-ego

.342 **Technic and methods**

2 Cathartic method Abreaction

4 Free association

5 Suggestion

7 Reeducation

.346 **Psychoanalitic schools or sistems**

2 Freud: sexual view

3 Adler: purpose-force view

4 Jung: energic view

5 Stekel

6 Kempf: dynamic mechanisim

.348 **Applications**

Divide like main clasification; e.g. 2 Religion, 37 Education, 572 Anthropology, 615 Therapeutics

132 Mental derangements

Pathologic psychology, abnormal psychology, mental diseases, psychopathy, psychiatry, psychopathology, teratologic psychology. For legal aspects see 340.6 Medical jurisprudence, 347.1 Legal capacity; for medical discussions see 616.8. The form divisions ar those of 616 and ar applicable to all subdivisions of 132. Clas pathology of special psychologic functions with those functions

.01 Theory
.011 Causes
.012 Clasification
.014 Language Terminology Nomenclature
For dictionaries see 132.03
.015 Theories derived from the pure sciences
Divide like 500
.016 Miscellaneous theories
8 Popular theories and errors
.02 Compends Handbooks Outlines
.03 Dictionaries Cyclopedias
.04 Essays Addresses Lectures
.05 Periodicals
.06 Organizations
.061 Government departments, state boards, etc
.062 Nongovernment organizations
Societies, clubs etc
.063 Congresses
.07 Study and teaching .075 Diagnosis
08 Polygrafy Collections Extracts
.09 History
.092 Case histories, biografy

132.1 **Insanity Mental alienation**

Craziness, madness, lunacy. Use form divisions of 616 (being more fully developt). For housing, management and care see 362.2 Hospitals for insane

.13 Organic brain diseases

.14 Functional brain diseases

.143 **Neurasthenia Cronic nervous exhaustion**

.15 **Neuroses Psychoneuroses**

.151 Chorea Huntington's chorea

.152 Hysteria

Shel shock, etc. See also 132.3 Hypochondria, 132.4 Catalepsy, 135.5 Somnambulism

2 Psychasthenia Obsessional or anxiety neurosis

Obsessions, phobias

3 Dissociation of personality

See also 137 Personality

32 **Depersonalization**

33 **Alteration or transformation of personality**

34 **Fragmentary personality**

Dual, secondary, alternating and multiple personalities

35 **Fugues**

.153 Epilepsy Narcolepsy

.155 Aphasia Alexia Amusia Agraphia Apraxia etc

.156 Anesthesia Hyperesthesia Hypesthesia Paresthesia

.16 Neuroses due to special poisons

.161 Alcoholism

See also 132.72 Dipsomania

.162 Metallic tremor

.19 Special psychoses and syndromes

.192 **General paralysis of insane Dementia paralytica Paresis**

.193 **Confusional insanity**

Mental confusion: acute and primitiv. Delirium: acute, febril, collapse, exhaustion (acute organic reaction types)

1 Pathologic intoxication (mania a potu)

2 Delirium tremens

3 Abstinence delirium

4 Traumatic delirium: immediate, protracted

5 Exhaustion delirium Exhaustion psychosis

6 Acute hallucinosis

7 Acute pseudoparanoia

8 Korsakow's psychosis

9 Other

132.195 **Manic-depressiv insanity**
General unsistematized delusions; affectiv reaction types

1 Manic type: mania, expansiv psychosis; euphoria
12 Hypomania
13 Acute mania
14 Delirious mania
15 Cronic mania
3 Alternating, periodic or circular type
Circular insanity (folie circulaire); insanity of double form; cyclothymia, variability of mood
4 Depressiv type
Depressiv psychosis, pathologic sadness and grief, hypochondria, melancholia. See also 132.3
42 Simple retardation
43 Acute depression
5 Stuporous type Depressiv stupor
6 Mixt type
62 Manic stupor
63 Agitated depression
64 Unproductiv mania
65 Depressiv mania
66 Depression with flight of ideas
67 Akinetic mania
7 Involution melancholia
See also 132.35 Melancholia

.197 **Paranoid reaction types**
Partial, sistematized; unopposed, polymorfic diffused delusions; delusional insanity

2 Paranoia
22 Original
23 Acquired
24 Abortiv
25 Latent
26 Paranoia querulans Querulous paranoia
3 Paraphrenia
32 Sistematic
33 Expansiv
34 Confabulatory
35 Fantastic
4 Paranoid states or paranoid constitution
Narcissism

132.198 **Dementia**

Cronic organic reaction types

1 Acute or furious dcmentia Primary dcmentia

12 Alcoholic dementia

See also 132.161 Alcoholism, 132.72 Dipsomania

122 **Alcoholic deterioration**

123 **Cronic alcoholism**

124 **Alcoholic pseudoparesis**

125 **Alcoholic epilepsy**

See also 132.153 Epilepsy

126 **Cronic hallucinosis**

13 Traumatic dementia

132 **Traumatic constitution**

Vasomotor neurosis, explosiv diathesis

133 **Post-traumatic mental enfeeblement**

2 Dementia precox and schizophrenic rcaction types

Neuroepithelial dementia, discordant insanity, secondary or terminal dementia. See also 132.195 Manic-depressiv insanity

22 Simple type: schizophrenia simplex

23 Katatonic type: katatonia, katatonic dementia

24 Hebephrenic type: hebephrenia, hebephrenic dementia

25 Paranoid type: paranoid dementia

See also 132.197 Paranoid reaction types

26 Mixt type

3 Senile dementia

31 Simple senile deterioration

32 Presenile dementia

33 Senile delirium; delirious and confused types

34 Presbyophrenia

35 Alzheimer's disease

36 Deprest and agitated type

37 Senile and cronic pseudoparanoid type

38 Arteriosclerotic type

382 **Post-paralytic dementia**

383 **Post-apoplectic dementia**

39 Other

132.2 **Mental deficiency**

Amentia, foolishness, arrests of development, maldevelopments, stupidity. Use form divisions as in 132. For housing, management and care see 362.3 Hospitals for idiotic, imbecils, feebleminded;. for education of feebleminded see 371.92

.22 Psychopathic personality

Constitutional psychopathic inferiority

.222 **Emotional**

2 Emotional instability

3 Pseudoquerulance

4 Eccentricity

.223 **Moral imbecility or insanity**

See also 132.6–.7

.24 Intellectual defect

See also 151.2 Intelligence tests

.242 **Grades**

2 Idiocy

3 Imbecility

4 Moronity Feeblemindedness

5 Borderline and dul normal

.243 **Accompanying deformity**

2 Brachycephalism

22 Mongolism

23 Kalmukism

24 Tartarism

3 Hydrocephalism

4 Microcephalism

.244 **Accompanying disease and injury**

1 Amaurotic family idiocy

2 Cretinism Myxedemism

See also 616.997 for medical viewpoint

3 Paralytic types

4 Epileptic types Eclampsic types

5 Syphilitic types

6 Inflammatory types

7 Sensory-deprivation types

8 Traumatic types

9 Other

132.3 **Hypochondria Melancholia**

As separate mental states. See also 132.1954 Manic-depressiv insanity, depressiv type; 616.852 Hysteria

.32 Hypochondria Hypochondriasis

Use form divisions as in 132

.322 **Physical hypochondriasis**

.323 **Psychic "**

.35 Melancholia Melancholy

Use form divisions as in 132. See also 132.1957 Involution melancholia

.352 **Acute (recent, recurrent) melancholia Melancholia simplex**

.353 **Cronic (excited or hypochondriac) melancholia Melancholia agitata**

2 Cotard's syndrome

.358 **Special types**

1	Religious	4	Stuporous	7	Confusional
2	Delusional	5	Suicidal	8	Impulsiv
3	Resistiv	6	Anxious	9	Other

.4 **Catalepsy**

Use form divisions as in 132. See also 132.152 Hysteria, 132.153 Epilepsy, 132.5 Ecstatics, 134 Hypnotism, 616.852 Hysteria, from medical viewpoint

.43 Degrees

.432 **Complete: physical and mental**

.433 **Complete physical rigidity**

.434 **Partial physical rigidity**

.435 **Mental activity**

.438 **Duration**

.44 Caracteristics

.46 Effects

.5 **Ecstatics Ecstasy**

Mistic or religious insanity; illuminism; visionaries. Use form divisions as in 132. See also 132.4 Catalepsy, 133.2 Hallucinations, 248 Religious ecstatics

.52 Types

.522 **Voluntary or natural**

.523 **Involuntary or supernatural**

.53 Degrees

.538 **Duration**

.54 Caracteristics

Ecstatic visions, trances, frenzy, rapture etc

.56 Effects

132.6 **Derangements leading to crime** **Criminal manias**

See also 132.223 Moral imbecility. For legal responsibility see 340.6 Medical jurisprudence, 347.1 Legal capacity

.62 Kleptomania

.63 Pathologic swindlers

.64 Destructiv manias: pyromania

.65 Homicidal and suicidal manias

.7 **Derangements leading to vice** **Vicious manias**

See also 132.223 Moral imbecility

.72 Dipsomania

See also 132.161 Alcoholism, 178 Temperance, 616.861 Alcoholism from medical viewpoint

.73 Drug addiction

Morphinomania or morphinism, cocainomania, etheromania etc

.74 Pathologic lying

.75 Sexual manias and aberrations

Including those leading to crime. Sexual anomalies, sexual psychopaths. See also 176 Sexual ethics

.752 **Eroticism** **Erotic delusions**

.753 **Nymphomania**

.754 **Sexual perversions**

1 General questions
2 Exhibitionism
3 Fetishism
4 Masochism Sadism
5 Bestiality
6 Sexual inversion Homosexuality
7 Incest
8 Masturbation
9 Other

.755 **Moral impotence** **Frigidity**

.8 **Mnemonic derangements** **Memory defects**

Not knowing in one state what past in another. See also 154 Memory

.82 Hypermnesia

.83 Paramnesia Pseudo-reminiscence

See also 132.74 Pathologic lying

.84 Amnesia

.841 **Complete**

.842 **Partial**

1 Anterograde
Progressive
2 Retrograde
3 Continuous
4 Periodic
5 Circumscribed
Lacunar
6 Sensory
7 Sistematized
8 Hysteric
9 Other

Divide like 152

133–135 Metapsychology Psychic fenomena

Parapsychology, metapsychics. General works including occultism, hypnotism and dreams ar (unlcss one of the other subjects strongly predominatcs) clast in 133

133 Transcendental psychology Occultism Occult sciences

Delusions, cabalistic art. For alchemy, hermetics, alkahest, elixir of life, philosofer's stone, transmutation of metals see 540.1

.01 Theory

.015 Theories derived from the pure sciences

Divide like 500. Include under 133.015–.016 theories regarding humbugs and frauds in general, but clas those relating to a specific topic with that topic

.016 Miscellaneous theories

.07 Psychic reserch Psychic studies

Clas reserch in a special field with that field

.1 Apparitions Ghosts

Specters, wraiths, spirits, phantoms, shades, phantasms etc. See also 133.2 Hallucinations, 398.3 Folklore

.12 Localized

Hauntings, haunted houses, house spirits, poltergeister, haunted graveyards, haunted forests, etc. See also 398.32 Folklore

.13 Unlocalized

.14 Supernatural beings

Revenants, goblins, hobgoblins, loups-garous, werewolves, lycanthropes etc See also 398.4 Folklore

.15 Sea specters: Flying Dutchman, etc

.2 Hallucinations Illusions

.22 Hallucinations

See also 132.1 Insanity, 132.5 Ecstatics, 133.1 Apparitions, 133.322 Cristal gazing, 133.4 Witchcraft, 133.8 Telepathy, clairvoyance, 133.9 Spiritism (veridic hallucinations), 134.52 Hypnotic hallucinations, 135.33 Dreams, hypnagogic hallucinations

.221 Causes

2 Peripheric stimulation

3 Cerebral "

4 Reductorless images

5 Obstruction of neural paths

6 Abnormal excitation of neural paths

7 Emergence of subconscious imagery

.222 Types

2 Reproductiv

3 Constructiv

4 Creativ

133.223 Forms
1–6 may be further subdivided like 152.1–.6
1 Visual
2 Auditory
3 Olfactory
4 Gustatory
5 Tactil or haptic
6 Muscular, psychomotor, visceral
7 Synesthetic or reflex
.224 Degrees
1 Pseudo- or semi-hallucinations
2 Complete hallucinations
.24 Illusions
See also 152.73 Normal illusions
.241 Causes
2 Confusion of sense impression
3 Misinterpretation of sense impression
32 Passiv
322 Determind by organism
323 " " environment
33 Activ
332 Voluntary preperception False recognition
333 Involuntary "
.243 Forms
Divide like 133.223
.3 Divination Predictions: oracles, 2d sight, omens
Divinatory art, prognostication, profecies, Sibyllin books, etc. Sibyls, augurs, soothsayers, profets, seers etc
.32 Autoscopic
.322 Sensory automatisms
Cristal gazing, shel hearing, premonitions, 2d sight, presages, deth warning, etc. See also 133.83 Clairvoyance
.323 Motor automatisms
Divining rod (Cumberlandism), dowsing for water and precious metals (see also 622.12 Prospecting), coscinomancy (divining with a balanst siv), ring divining, ordeal by Bible and key, sand divination, divination by automatic writing, trance speaking, etc. See also 133.93 Spiritism
.324 Mental impressions
Cartomancy, card fortune telling, reading coffee grounds and tea leavs, etc. For Palmistry see 133.6, for Dreams see 135.3
.33 Heteroscopic
.332 Sortilage Casting lots
Astragalomancy (divination with dice or small bones), bibliomancy (omens drawn from Bible and other books; sortes Virgilianae) etc
.333 Haruspication (inspection of entrails), hepatoscopy (inspection of liver), scapulimancy (divination by sholder-blade), divination by footprints in ashes, geomancy etc

133.334 **Augury and omens**
Behavior and cries of birds, meeting ominous animals, signs, auspices, thunder and lightning, falling stars, celestial signs, prodigies, portents etc

.335 **Simpathetic omens Simbolism**
Numerology etc. For Astrology see 133.5

.4 **Witchcraft Sorcery Magic Demonology**
Black magic, white or natural magic, necromancy, psychomancy

.401 Theories

6 Miscellaneous

62 Religious aspects

63 Legal "

.409 History
See also 272.8 Persecutions

.4093–.4099 In special countries
Divide like 930–999. For New England or Salem witchcraft see also 973.25

.42 Activities and practises
Satanism, witches sabbaths, nocturnal revels; incantations, evocations, spels, evil eye; demoniac obsession and possession, diakka; lycanthropy, incubi, succubi, vampires; flying thru air, riding on broomsticks, etc

.43 Instruments and apparatus
Black books, grimoire, conjuring books, magic metals, rituals, magician's wand, etc

.44 Means of help and protection
Exorcism, charms, amulets, talismans, philters etc

.5 **Astrology**
Judicial or mundane astrology only; for natural astrology see 520.1. Under this number and its subdivisions ar included both descriptiv and interpretiv material

.52 Zodiac signs

.522 **Works on individual signs**

.523 **According to position**

2 Northern, commanding, masculin or strong
Aries, Taurus, Gemini, Cancer, Leo, Virgo

3 Southern, obeying, feminin or weak
Libra, Scorpio, Sagittarius, Capricornus, Aquarius, Pisces

.524 **According to structure Triplicities**

2 Erthy: Taurus, Virgo, Capricornus

3 Fiery: Aries, Leo, Sagittarius

4 Airy: Gemini, Libra, Aquarius

5 Watery: Cancer, Scorpio, Pisces

.525 **According to time**

2 Diurnal
Aries, Gemini, Leo, Libra, Sagittarius, Aquarius

3 Nocturnal
Taurus, Cancer, Virgo, Scorpio, Capricornus, Pisces

133.53 Planets

.532 **Works on individual planets**

Uranus, Saturn, Jupiter, Mars, Sun, Asteroids (Juno, Pallas, Ceres, Vesta), Moon, Venus, Mercury

.533 **Aspects**

Conjunction, sectil, quartil, trine, opposition

.534 **Houses**

Life or person, riches, brethren or kindred, parents, children, servants and sickness, marriage, deth, religion, magistracy, frends, enemies

.535 **Special positions**

Joys, dragon's hed, dragon's tail, part of fortune, ascendent etc

.54 Horoscopes

Hyleg, Amareta etc

.55 Tables of declinations

.56 General applications

.562 **Nativities**

Clas nativities of special individual with biografy of that individual

.563 **Horary questions**

.58 Special applications

Medical astrology, etc. Divide like main clasification. For Biblical astrology see 220.81335

.6 **Palmistry Chirology**

.62 Chirognomy

Determination of type of intelligence from form of hand

.622 **Anatomy and physiology of hand**

Anatomy, texture, hairiness etc of hand. See also 611.976 Anatomy

.623 **Types of hands**

Elementary. Spatulate or activ. Conic or artistic. Square or useful. Knotty or philosofic. Pointed or psychic. Mixt

.63 Chirosofy

Study of comparativ value of manual formations

.64 Chiromancy

Divination by means of mounts, lines and other markings of hand and fingers

.642 **Mounts**

Jupiter, Saturn, Apollo or Sun, Mercury, Mars, Luna or Moon, Venus

.643 **Lines**

2 On palm

Hed line; life line; hart line; fate line or line of Saturn; line of Apollo, of Sun, of fortune or of brilliancy; line of Mercury, of helth, of liver, hepatic line or hepatica; girdle of Venus; line of Mars; ring of Solomon or Jupiter; line of intuition, of Moon or Luna; via lascivia; lines of affection; etc

3 On wrist

Racettes or 3 bracelets

4 On fingers

.644 **Signs**

2 On palm

Star, square, spot, circle, iland, triangle, cros, croix mystique, grille, signs of planets, quadrangle or table, percussion etc

3 On wrist

4 " fingers

133.7 **Humbugs Quackery**

Charlatans, impostors. Subdivide by type of humbug according to main divisions of 133; e.g. fraudulent magicians and sorcerers 133.74, fraudulent astrologists 133.75, fraudulent palmists 133.76, telepathic and clairvoyant frauds 133.78, fraudulent mediums 133.79. For humbugs not thus provided for use 133.77 divided like main clasification

.8 **Telepathy Clairvoyance Clairaudience**

See also 133.2 Hallucinations, 133.9 Spiritism, 134 Hypnotism, 135.3 Dreams

.82 Telepathy

Mind reading, thought transference, telepathic hallucinations

.8201 Theories

16 Miscellaneous theories

161 Psychic

162 Physical

.822 **Forms**

2 Physical

Divide like 152 Sense perceptions

3 Mental

4 Emotional

.823 **Reciprocal telepathy**

.824 **Collectiv "**

.83 Clairvoyance Clairaudience

Clas here material covering both subjects. See also 133.3 Divination

.8301 Theories

16 Miscellaneous theories

161 Psychic

Lucidity, telepathy etc

162 Physical

Ray theories, corpuscular theories, hyperesthesia etc

.832 **Cryptoscopic**

Vision of normally invisible hidden objects, or hearing of normally inaudible sounds, near at hand

.833 **Psychoscopic Psychometric**

Supernormal knowledge of distant, future or past events connected with objects at hand

2 In space

3 " time

.84 **Clairvoyance**

Divide like 133.83

.85 **Clairaudience**

Divide like 133.83

133.9 **Spiritism Spiritualism**

Psychism; communication with ded, with discarnate spirits or intelligences; mediums and mediumship; spiritistic or mediumistic fenomena with or without trance. For Bible and spiritualism see 220.81339, Christianity and spiritualism 289.9

.901 Theory

5 Theories derived from the pure sciences

Divide like 500

6 Miscellaneous theories

61 Subliminal self Subconscious mentation Mental dissociation Multiple personality Dissociation of personality Multiple consciousness

62 Telepathy Veridic hallucination Exteriorization of sensations or impressions

63 Clairvoyance Retrocognition

64 Hallucination and illusion

65 Spiritistic possession

.92 Objectiv or physical fenomena

.922 **Telekinesis**

Table-tipping, table-turning, typtology, raps, levitation, apports, transports, dematerialization of objects or 4th dimension, psychography or direct writing and drawing, etc

.923 **Ectoplasms**

Materialization of spirits, teleplasmy, bilocation, psychic or spirit photografy, fluidic body, emanation of substance, psychic rods, astral body, etc

.93 Subjectiv or mental fenomena

Telethesia or cryptesthesia. Sensory automatisms, ouija board and planchet messages, automatic writing and drawing, trance speaking, automatic speaking, intrapsychic conflict, interference, book tests, psychometry or pragmatic cryptesthesia, xenoglossis, monitions, premonitions, spiritistic messages, etc. See also 133.3 Divination, 133.8 Telepathy, Clairvoyance

.94 Psychic healing

See also 615.85 Cures

134 Hypnotism

Mesmerism, hypnosis, Braidism, electrobiology, neurohypnotism, neurypnology

.01 Theory

.015 Theories derived from the pure sciences

Divide like 500

.016 Miscellaneous theories

1 Psychologic

Mental, cerebral or functional dissociation; secondary, submerged, subconscious or subliminal self; suggestion; etc

2 Physical

Odic or odylic force, ectenic force, magnetic fluid, animal magnetism, biomagnetism etc

6 Physiologic

7 Pathologic

Hysteric susceptibility, neurosis etc

.1 **General questions**

Legal aspects etc

134.2 **Induction**
.22 Methods
.222 **Domination**
.223 **Cooperation**
.23 Means
.232 **Physical: monotonous stimulation of sense organs, etc**
.233 **Mental: suggestion etc**
.5 **Effects**
.52 Concurrent
Hightend suggestibility, rapport, lethargy, hypnotic or artificial catalepsy, hypnotic or artificial somnambulism, hypnotic trance, anesthesia, positiv and negativ hallucinations, hypnotic delusions, organic effects, telepathy, clairvoyance etc
.53 Post-hypnotic
Amnesia respecting events occurring during hypnosis, post-hypnotic suggestions, unconscious reckoning of time, etc
.6 **Autohypnotism Autosuggestion**
.8 **Applications**
Medical, psychotherapeutics etc. May be divided like main clasification

135 Sleep and wakefulness Dreams Somnambulism
.2 **Sleep and wakefulness**
State of being awake or waking. See also 612.8217 Physiology
.201 Theory
See also 612.82173 Physiology
5 Theories of sleep derived from the pure sciences
Divide like 500
6 Miscellaneous theories
63 Neurologic or histologic theories
64 Psychobiologic theories
Sleep as an instinct: hypnoidal state, muscular relaxation theory, psychoanalitic theory, vasomotor control theory, etc
66 Physiologic theories
663 Mechanic or circulatory theories
664 Chemic theories
67 Pathologic theories
Toxic and autotoxic theories
68 Erly and popular theories
.22 Conditions conduciv to sleep
.23 Fenomena normally accompanying sleep
See also 135.3 Dreams
.232 **Physical**
3 Cerebral circulation
See also 612.82174 Physiology
4 Chemic fenomena
See also 612.82175 Physiology
5 Positions during sleep
.233 **Mental**

135.24 Depth and length of sleep
Partial sleep, rediness to wake in response to definit stimuli. Prolonge sleep. Hypnagogic state
.25 Results of sleep
.26 " " lack of sleep
.27 Abnormalities
See also 132.4 Catalepsy, 135.5 Somnambulism
.272 **Excessiv tendency to sleep**
.273 **Insomnia or abnormal wakefulness**
.274 **Sleep of insane**
.275 **Drugs and sleep**
.3 **Dreams Visions**
See also 612.82176 Physiology, 132.5 Ecstatics, 133.2 Hallucinations
.301 Theory
5 Theories derived from the pure sciences
Divide like 500, e. g. 135.30157 Biologic, recapitulation or atavistic theories
6 Miscellaneous theories
62 Free association theory
63 Illusion theory
64 Psychoanalitic theories
Expression of represt desires or fears
66 Physiologic theories
68 Erly and popular theories
Wandering of soul, divine origin, astrologic theories, various popular views, etc
.32 Clasification of dreams
.322 **According to origin**
2 Presentativ
Due to objectiv or physical stimuli
3 Representativ
Due to subjectiv or mental stimuli
.323 **According to type**
Premonitory, profetic, prodromic, collectiv, kinesthetic, recurrent, nightmares, night terrors, dreams of ded, etc
.33 Content of dreams
Imagery, past experiences, effect of special stimuli on content, hypnagogic hallucinations, etc
.34 Caracteristics or peculiarities
Speed, condensation, absurdity, sense of reality or unreality, effect of waking on dreams, etc
.35 Effects of dreams
As conservers of sleep, as influencers of waking life, etc

135.36 Dreams of special classes of persons
.362 **Groups by age**
2 Children
3 Aged
.363 **Sensory defectivs**
Blind, def etc. Divide like 152, including cripples etc under 135.3636
.364 **Insane**
.365 **Drug addicts**
.366 **Criminals**
.37 Day dreams Autistic thinking
See also 155.1 Fancy
.38 Interpretation of dreams
.382 **Popular: oneiromancy, fortune telling by dreams, dream books, etc**
See also 398.7 Folklore
.383 **Scientific: psychoanalitic etc**
.5 **Somnambulism Sleep walking Noctambulism**
Natural; for induced somnambulism see 134.52 Hypnotism; see also 132.152 Hysteric somnambulism
.51 Causes
.53 Degree of sensibility
.532 **Responsibility**
.55 Activities
.553 **Degree of difficulty**
2 Simple
3 Complicated
.554 **Habitual**
.555 **Unusual**
.56 Management Treatment
.6 **Sleep talking**
.61 Causes
.63 Caracter
.632 **Coherent**
.633 **Incoherent**
.634 **Relation to waking interests**
.635 **Rememberd on waking**

136–139 Differential psychology

General works on Differential psychology clas in 136

136 Genetic psychology Evolutional psychology Mental caracteristics

See also 131 Mental physiology, 575 Evolution

.1 **As influenced by sex Sex psychology**

.11 Sex and intellectual qualities

Divide like 150 Psychology. See also 376.2 Mental capacity of women

.12 Sex and mental derangements

Divide like 132 Mental derangements

.17 Sex and personality

Divide like 137 Personality

.2 **As influenced by physical and social surroundings**

Psychology of physical environment. Bionomic influences. Mental euthenics See also 573.4 Natural history of man, 575.3 Evolution

.22 Sensory influences

May be further divided as under 152

.221 **Vision: color, light, darkness etc**

.222 **Hearing: sounds, noises, silence etc**

.223 **Smel: odors**

.224 **Taste**

.225 **Touch: rufness, smoothness etc**

.24 Topografic influences Landscape

Divide like 551.4 Surface features of earth

.25 Meteorologic influences

Climate, wether. Divide like 551.5 Meteorology

.26 Residential influences

.262 **Urban**

.263 **Suburban**

.264 **Rural**

.265 **Housing: rooms etc**

.27 Social influences; neighbors, associates

See also 301.15 Social psychology

.28 Clothing

.3 **As influenced by ancestry Mental heredity**

Influence of evolution. Mental eugenics. Biologic survivals, etc. See also 575.1 Evolution

.31 Inheritance of intellectual qualities

Divide like 150 Psychology

.32 Inheritance of mental deficiencies

Degeneracy, criminality, inferior families. Divide like 132 Mental derangements. See also 613.92 Hygiene

.33 Moral and spiritual qualities

See also 129.2 Origin of soul; 233.3 Doctrinal theology

.37 Inheritance of personality caracteristics

Divide like 137 Personality

136.4 **As influenced by race Racial caracteristics**
Race psychology, folk psychology, ethnic psychology, ethnopsychology, völkerpsychologie. See also 572 Ethnology

.41 Prehistoric or primitiv man Paleopsychology
Divided like 571 Prehistoric archeology

.411 **Paleolithic Erly stone age**

.412 **Neolithic Late stone age**

.413 **Bronze age**

.414 **Iron age**

.48 Races divided by language like 400

.49 " " " country like 930–999
National psychology, psychology of nations and peoples. Divide by country where possible. Use language divisions for groups like Semitic, Aryan, Teutonic, English etc. See also 913–919 Description, national caracteristics

.5 **As influenced by age**
For general works, also for adult period only; for erlier period see 136.7 Childstudy

.52 Maturity
Adult manhood, period of greatest ability, efficiency, mental virility

.53 Senescence
Period of mental decline, old age, 2d childhood

.6 **As influenced by physical structure and conditions**
Stature, posture, physical abnormalities, deformities etc

.7 **Childstudy Paidology, pedology Child psychology**
Influence of childhood, including adolescence

.702 Methods Mental tests

1 Laboratory

2 Home

.708 Observations Records Albums

.71 Body: structure, growth, care
Physical development of child; limited to development period. See also 136.3 Mental heredity, 371.7 School hygiene, 612.64 Embryology, 612.65 Growth, 612 Hygiene, 613.9 Heredity

.72 Mind Intellectual development of child
Divide like 150 Psychology. Limited to period of physical development. In a general library better clast in 130 and 150, with only references here

.73 Mental caracteristics
Groupt by influence like 136.1–.6

.735 **As influenced by age Nascent periods**

2 Babyhood, infancy Infant psychology

22 Pre-social period (1st year)

23 Imitating and socializing period (1–2)

3 Childhood

32 Period of individualization (3–5)

33 " " competitiv socialization (6–11)

4 Adolescence (12–25) Puberty, youth

136.74 Children's point of view What children think

Divided like main clasification; e. g.

.7417	Ethics	.7479	Games, play
.742	Rcligion	.748	Literature
.744	Language		

.75 Delineation of children

Psychology of children from artists' and authors' point of view

.757 In art .758 In literature

76 Abnormal children

Study of development. For methods of instruction see 371.9; for institutions sce 362 Hospitals, asylums, 364 Reformatories

.761 Physically defectiv

1	Blind	5	Def-mutes
2	Def	55	Blind def-mutes
3	Blind-def	6	Crippld
4	Dum	7	Deformd

.762 Mentally defectiv

Divide like 132 Mcntal derangements; e. g. study of idiotic children 136.7622422

.763 Morally defectiv Delinquents

.764 Wildings

A clas of children who, having been lost or deserted, hav grown up away from the surroundings of children, alone or among animals. *Paidology* 1 :196 (July 1900)

.765 Exceptionals Precocity

Youthful prodigies. See also 151.1 Genius

.766 Backward children Retardation

See also 371.28 Education

.767 Dependents

Homeless children, a public charge, lacking ideas and associations of children in families. Abandond children, foundlings, orfans

.769 Other abnormal classes

.77 Boys The 'gang' Boy problem

Gamins

.775 Girl problem

.79 Childhood in various countries and times

Divide like 930–999

.791 The child among uncivilized and semicivilized peoples

137–139 Caracter analisis Caracterology

Clas in 137 general discussions not limited to a special sistem

137 Individual psychology Individuality Personality

Psychology of caracter. Idiosincrasies, mannerisms, personal equation, etc. See also 170 Ethics, 153.7 Consciousness

.3 **Constituent elements of personality Traits**

Psychogram

.31 Physical

Divide like 610 Medicin

.311 **Anatomic**

Divide like 611 Anatomy

.312 **Physiologic**

Divide like 612 Physiology

.313 **Helth**

Divide like 613 Hygiene

.316 **Pathologic**

Divide like 616 Diseases

.32 Moral and religious

.33 Social

.35 Mental

Divide like 150 Psychology

.37 Esthetic

.38 Special abilities or talents

Divide like main clasification; e. g.

137.3851 Mathematical ability
.3878 Musical talent
.389 Historical ability

See also 151.18 Classes of genius, 151.2238 Tests of talent

.4 **Types of personality Temperaments**

Biotypology

.42 Popular clasifications

Choleric, sanguin, mercuric, flegmatic, bromidic etc

.45 Scientific clasifications

Introverts, extroverts etc. Apathetic, affectiv, intellectual, temperate, voluntary etc. Visual, audil, motor etc. See also 154.45 Types of lerners

.5 **Cultivation of personality**

.7 **Grafology**

Caracter analisis by study of handwriting. See also 652 Writing

.72 Popular and divinatory grafology

Fortune telling by means of handwriting

.75 Scientific grafology

.8 **Tests of personality and caracter**

Tests of specific traits clas with those traits. See also 151.2 Mesurements

138 Physiognomy

Expression of mentality thru the body. Bodily signs revealing caracter. Caracter analisis by study of physical features. Effect of expression of emotions on facial and bodily features as index to caracter. Pathognomy. See also 157.2 Expression of emotions

.2 Divinatory Astrologic
.3 Descriptiv
.4 Physiologic

139 Phrenology Mental photografs, etc.

Cranioscopy, craniology (see also 573.7 Somatology), cerebral localization of faculties or functions. See also 131.2252, 612.8252 Psychomotiv centers, localizations; 152 Sense perceptions

.2 Caracter analisis by cranial bumps and depressions
.22 Feelings
.222 Propensities: internal impulses inviting only to certain actions
.223 Sentiments: impulses prompting to emotion as wel as to action
2 Lower: those common to man and the lower animals
3 Higher: those proper to man only
.23 Intellectual faculties
.232 Perceptiv faculties
.233 Reflectiv "
.3 Anatomic aspects
.4 Physiologic aspects
.5 Psychologic "

140 Philosofic sistems and doctrins

Heds 140–149.9 ar for discussion of sistems and doctrins as such. Philosofic works of authors of these various schools ar clast under 190, not here. Prom these heds refer in catalogs to authors clearly falling under them, without attempting to label each writer as an exponent of some one sistem. See also 150.19 Psychologic sistems

141 Idealism Transcendentalism Spiritualism Panpsychism Subjectivism Individualism Personalism Voluntarism Romanticism

e. g. Plato, see 184.1, 888.4; Berkeley, see 192.3; Fichte, see 193.3; Emerson, see 191.3, 814.36. See also 184 Platonism, 186.4 Neoplatonism

142 Critical philosofy Criticism Neocriticism Kantism Neokantism Phenomenalism

e. g. Kant, see 193.2. See also 111.31 Phenomenalism in ontology

143 Intuitionalism Bergsonism

e. g. Reid, see 192.5; McCosh, see 191.5; Bergson, see 194.9. See also 149.3 Misticism, 156 Intuitiv faculty, 171.2 Ethics

144 Empiricism Pragmatism Humanism Instrumentalism Utilitarianism

e. g. Descartes, see 194.1; Bacon, see 192.1. See also 150.1943 Behaviorism

145 Sensationalism

e. g. Locke, see 192.2

146 Naturalism Materialism Positivism Atomism Mechanism Neomechanism Dynamism Energism Evolutionism Transformism Comtism

e. g. Hobbes, see 192.9; Comte, see 194.8. See also 111.62 Evolution in ontology, 149.2 Realism, 187 Epicureanism, 575 Evolution in biology

147 Pantheism Panentheism Monism Animism Vitalism Dualism Pluralism Parallelism Occasionalism

e. g. Spinoza, see 199.492 See also 130.16 Theories of mind-body relations, 212 Pantheism in natural theology, 189.1 Philosofic gnosticism, 273.1 Gnostic heresy

148 Eclecticism Liberalism Syncretism Dogmatism Traditionalism

e. g. Cousin, see 194.7

149 Other philosofic sistems

.1 Nominalism Conceptualism

.2 Realism Neorealism Critical realism

See also 146 Materialism

.3 Misticism Occultism Esoteric philosofy Theosofy Anthroposofy

See also 133 Occult sciences; 143 Intuitionalism, Bergsonism; 181.5 Sufism; 189.5 Mediëval misticism; 212 Theosofy in natural theology; 273.2 Mistic heresy

.4 Associationism

.5 Optimism Meliorism

See also 141 Voluntarism, 144 Pragmatism, 216 Good in natural theology

.6 Pessimism

e. g. Schopenhauer, see 193.7. See also 216 Evil, 233 Doctrin of man

.7 Agnosticism Skepticism Rationalism Intellectualism Innatism Nativism Sophisticism

See also 146 Positivism, 183 Greek sophisticism, 211 Natural theology, 273.8 Agnostic heresy

.8 Nihilism Fatalism

See also 214 Fatalism in natural theology

.9 Other sistems

150 Psychology General psychology

Mind. Mental functions and faculties. Philosofy of intellect. For other aspects of psychology see 130

An alternativ scheme of psychology incorporating all topics of 130 and 150 was publisht in ed. 13 under 159.9. Libraries and individuals who prefer to continue 159.9 arrangement may obtain it thru Forest Pres, Inc., Lake Placid Club, N. Y.

Works on psychology as applied to various subjects ar in general best clast with those subjects, but may be kept together under 150.13. Relations of psychology to other subjects may be exprest by using 150.001 divided like the whole classification; e.g. 150.0012 Psychology and Religion, 150.0015 Psicology and Science, etc. For interrelations of psychologic topics use 0005 divided like 150, e.g. Conception and perception 153.1000527

SUMMARY

151 Intellect Capacity for knowing
152 Sensation Sense perceptions
153 Understanding Cognition Knowledge Comprehension
154 Memory and lerning Reproductiv power Mnemonic apprehension
155 Imagination Creativ power Imaginal apprehension
156 Intuitiv faculty or power Innate reason
157 Emotions Affections Sensibility
158 Conation and movement Instincts Appetites Motor functions
159 Wil Volition

150.1 Philosofy Theories Laws

Metaphysical psychology. Rational psychology. See also 120 Metaphysics, 130.1 Theories of mind-body relations, 140 Philosofic sistems, 180–190 Individual philosofers

For other subdivisions and other form divisions see Table 2 following Relativ index

.13 Usefulness Value Importance Applications

May be divided like the whole classification; e.g. 150.1337 Educational psicology, 150.1361 Medical psicology, 150.13658 Psicology of business management, etc.

.18 Psychologic methods

General; for methods of experimental psychology see 150.725

.182 Subjectiv: introspection

Observation of one's self

.183 Objectiv

.184 Analitic

.185 Synthetic

.186 Descriptiv

.187 Explanatory

150.19 Psychologic sistems or schools
See also 131.34 Psychoanalisis, 140 Philosofic sistems
.192 Structural or existential psychologies
Structuralism
2 **Faculty psychology**
3 **Mentalism**
4 **Gestalt or configuration psychology**
5 **Psychosomatic organism, or mind-body performance psychology**
.193 Functional psychologies
2 **Dynamic psychology**
3 **Purposiv psychologies**
32 Hedonic
33 Hormic
.194 Reaction or response psychologies
2 **Endocrin psychology Endocrinism**
Glandular reaction psychology
3 **Behaviorism Anthroponomy**
4 **Reflexology**
5 **Dialectic materialism**
.7 Study and teaching
.72 Experimental psychology Experiment and reserch
See also 131 Physiologic psychology. For experiments in a specific field see that field
.722 Laboratories
.725 Methods
For psychologic methods in general see 150.18
2 **Subjectiv Introspection (reflection, analisis, retrospection)**
3 **Objectiv**
32 Reception methods Methods of impression
33 Reaction "
332 Methods of judgment
333 " " execution
334 " " expression
34 Qualitativ methods
35 Quantitativ " Statistical etc
See also 151.2 Mesurements, 152.8 Psychophysics, 310 Statistics

151 Intellect Capacity for knowing

Intelligence, talent, intellectual life, the normal mind

.1 Genius

Men of superior attainments, eminent or illustrious men, supcrmen etc

.12 Traits of genius

.122 Physical

Stature, pigmentation, deformity etc

.123 Mental

Precocity (see also 136.765 Childstudy), general intelligence, inventiv talent, inspiration, intuition, originality etc

.124 Personality traits Temperament etc

See also 137 Personality

.13 Genius as hereditary

Superior families, royalty, ethnic incongruity, miscegenation etc. See also 136.3 Mental heredity

.16 Genius as pathologic

.162 Genius and insanity

Manic-depressiv insanity, neurasthenia, secondary personality, *idiots savants* etc. See also 132.1 Insanity

.163 Genius and disease

Tuberculosis, gout, general il helth, etc

.164 Genius and vice

Alcoholism; use of opium and other drugs, etc

.165 Genius and degeneracy

.17 Environment and training of genius

Home life, position of family, occupation of parents, education etc. See also 136.2 Influence of physical surroundings, 371.95 Education

.18 Classes of genius

Divide like main clasification, e. g. Mathematical genius 151.1851. See also 137.38 Personality talents

.19 Geografic distribution of genius

Divide like 930–999

.2 Mesurements Tests

Mental tests, psychologic mesurements, mesurements or tests of innate mental capacity; including Intelligence tests. See also 152.8 Psychophysics, 371.26 Education mesurements and tests

.22 Clasification

.222 Tests of general intelligence

2 Individual

22 Verbal

Binet-Simon, Stanford revizion of Binet-Simon, Yerkes point scale, etc

23 Non-verbal

Healy picture completion test, army picture completion test, Pintner performance test, etc

3 Group

32 Verbal

Otis group tests, army alpha tests, national rescrch tests, national intelligence tests, Thurstone omnibus test, etc

33 Non-verbal

Army beta, Dearborn group tests no. 2, Myers mental mesure, etc

151.223 **Tests of special capacity or aptitude**

Individual or group, verbal or non-verbal. Clas preferably under special capacity tested; e. g. Association tests 153.28

2 Tests of simpler processes

Reaction times, coordination, motor control, sensory capacity, simple discrimination tests, space perception, attention etc. Divide like 152 Sense perceptions

3 Tests of higher central processes

Association, lerning, retention, memory, reasoning etc. Divide like 153-155, e. g. 151.223332 Association, 151.22334 Memory, 151.22335 Imagination

4 Tests of emotion aspects

Divide like 157 Emotions

5 Tests of volition qualities

Divide like 159 Wil, volition

8 Tests of talent

Musical, mathematical etc. Divide like main clasification. See also 137.38 Personality traits, 151.18 Classes of genius

.23 Forms of tests

Cancelation, completion, formboard, genus-species, picture completion, inkblot, nonsense sillables, maze, substitution, crossing out, whole-part, true-false, mirror, etc. If form and purpose ar discust together clas with purpose; e.g. Army picture completion test 151.22223

.24 Apparatus

.25 Construction and administration of tests

.26 Interpretation of results Statistical methods, etc

.262 **Scoring**

.263 **Establishing norms**

Mental age, intelligence quotient (I.Q.) etc

.264 **Tabulating results**

Tables, curvs, grafs, histograms, psychograms, frequency polygons, etc

.265 **Correlations Correlational psychology**

1 General questions

Factor theory, etc

2 Among tests

3 " traits or abilities

.28 Applications

Divide like main clasification; e. g. Mental tests applied to industrial management 151.28658; but usually better clast with special subject, as 331.115 Mental tests for selecting workers

151.3 Animal psychology Comparativ psychology Biopsychology Zoopsychology

151.33 and 151.35 may be subdivided like 130 and 150, c. g. Insanity in animals 151.332, Tests of animal intelligence 151.3512. In general libraries better clast in 574.18 Irritability and movement in biology, 575.3 Biologic behavior, ecology; 591.18 Nervous functions and sensations in animals, 591.5 Habits and behavior, in animal ecology

.307 Study

2 Experiment

25 Experimental methods

258 Special methods

1 Labyrinths
2 Boxes with special devices
3 Animal training and lerning
4 Observations on imitation and insight
5 Observations on orientation
6 Method of salivation
7 " " associativ or conditiond reflex
Methods of Bechterev, Pavlov etc
8 Method of psychogalvanic reflex, Veraguth's method
9 Other

.4 Plant behavior Organs and responses Phytopsychology

In general libraries prefer 581.18 Irritability and movement in plants, 581.5 Plant behavior and ecology

152 Sensation Sense perceptions

Sense, sensible perception and representation, sense impressions, sensible knowledge. Relations of sense perceptions in general and of each sense in particular to other topics may be exprest by colon followd by number for specific topic; c. g. Esthetic relations of taste 152.4: 7 or, if preferd, use 0001 divided like main clasification, e. g. 152.400017 Esthetic relations of taste. See also physiology 612.84–.88

.01 Theory

.012 Relation of sensation and sense perception

2 Sensational theory (Sensation and perception identical)

3 Component theory (Sensation a component of perception)

4 Correlativ theory (Each a component of the other)

.015 Theories of sensation derived from the pure sciences

Divide like 500, e. g. 152.0153 Physical, mechanic; 152.0154 Chemic

.016 Miscellaneous theories

1 Metaphysical theories

15 Psychologic theories

Eccentric projection theory, etc

2 Deistic theories

6 Physiologic and psychophysical theories

Specific energy theory, theory of specific disposition of sense organs, etc

Passiv or receptiv faculty or functions
Sensational qualities or modalities

152.1 Vision Visual sensations
Divide like 612.84 Physiologic optics
.11 Fibrous tunics of eye
.111 Cornea Conjunctiva Anterior chamber
.115 Sclera
.12 Vascular tunics Iris Choroid Ciliary body
.121 Iris accommodation Pupillary reflex
See also 152.14 for general psychologic papers on accommodation
1 Pupillometers
.122 Action of nervs and nerv centers on pupil
.123 Effects of light
.124 Action of chemic substances on iris Atropin
.125 Choroid Eye pigments
.126 Ocular circulation Intraocular pressure
1 Ofthalmometers
.13 Optic nerv Retina
.131 Physiologic morfology
2 Ofthalmoscope
3 Retinal circulation
4 " purple
5 Physiologic morfology of retina
Blind spot, yellow spot
.132 Irradiation Simultaneous induction
.133 Color sense Chromatic sensibility
01 Theory
016 Miscellaneous theories of color sensation
3 3-color theory (Young-Helmholtz)
4 4-color theories
42 Color-contrast theory (Hering)
43 Gradation theory (Wundt)
44 Genetic theory (Ladd-Franklin)
47 Zone theories
472 Duplex or duplicity theory (von Kries)
473 Theory of indirect values (Müller)
1 Color sight
Power to distinguish colors
2 Sensitivness to color Color preferences
4 Mixture of colors
5 Contrast " "
501 Theory
6 Miscellaneous theories of color contrast
61 Psychologic theory
Deception of judgment (Helmholtz)
66 Physiologic theory (Hering)
52 Simultaneous contrast
53 Successiv "

152.134 **Entoptic fenomena**
Purkinje's figures or images, Sanson's images
.135 **Persistence of retinal impressions**
2 After images or after sensations Successiv images
22 Positiv
23 Negativ or complementary
.136 **Field of vision Visual acuteness and sensibility**
1 Photometry Photometric technic
2 Field of vision
22 Direct vision
23 Indirect vision Perimetry
3 Visual acuteness and sensibility
32 Retinal adaptation and fatigue
33 Twilight vision Purkinje fenomenon Purkinje spectrum Sensibility to contrast
.137 **Conduction in brain Perception**
1 Histology of fibrillae Center of sight
2 Optic perceptions Localization of image in space
21 Binocular and monocular perception
22 Stereoscopy Binocular fusion and rivalry Pseudoscopic vision
23 Perception of distance, size and form
Perception of differences in hight of surface
2301 Theory
16 Miscellaneous theories of visual distance
163 Theory of identical points
164 " " projection
165 " " distance as an optic sensation
232 **Kinesthetic eye sensations**
2 Accommodation strains
3 Convergence "
233 **Parallax**
2 Binocular parallax
3 Parallax due to hed movements

152.137234 Associativ aids
- 1 Apparent size
- 2 " brightness
- 3 Apparent rapidity of movement
- 4 Linear perspectiv
- 5 Haze and other atmosferic effects
- 6 Lights and shadows
- 7 Relations among objects in field of vision
- 8 Cooperation of other senses
- 9 Other

3 Impression of color suggested by sound
Auditus coloratus, colord audition. See also 152.77 Synesthesia

4 Optic illusions
See also 152.73 Normal illusions

41 Primary illusions

412 **Illusions of movement**

413 **Proofreaders illusion**

414 **Double images**

415 **Geometric illusions**
Of distance, size, direction, form etc
- 01 Theories of geometric illusions
- 016 Miscellaneous theories
  - 3 Eye-movement theory
  - 4 Perspectiv "
  - 5 Dynamic theory
  - 7 Association or confusion theory
- 2 Reversible perspectiv
- 3 Illusions of extent
  Müller-Lyer illusion, etc
- 4 Illusions of direction and angles; confluxion and contrast
  Poggendorf, Zöllner, twisted cord, etc illusions
- 5 Illusions of form
- 6 " " area
  Apparent size of planets at horizon, etc

42 Secondary illusions

43 Mixt illusions

5 Observations on those born blind

8 Degenerations of optic nerv and fibrillae

.14 Refractory apparatus Ocular refraction Dioptrics
See also 152.121 Iris accommodation

.141 **Cristallin lens**

.144 **Aqueous humor**

.147 **Vitreous "**

152.15 Functional disorders or pathology of sight
Blindness etc. See also 617.75 Disorders of vision from medical viewpoint

.151 **Myopia**
.152 **Hypermetropia**
.153 **Astigmatism**
.154 **Presbyopia**
.155 **Daltonism Color blindness**
See also 152.1331 Color sight
.156 **Hemeralopia**

.16 Movements of eye
.162 **Binocular vision Convergence**
For perception see 152.13721 Binocular and monocular perception
.163 **Action of 3d cranial or oculomoto nerv**
.164 **" " 4th " " trochlear "**
.166 **" " 6th " " abducent "**
.168 **Strabismus Diplopia**
.17 Palpebral and lacrimal apparatus
.18 Tests of visual perception
.2 **Hearing Auditory sensations**
Divide like 612.85 Physiologic acoustics
.201 Theory
2 Clasification of sounds
22 Tones
23 Vocables
24 Noises
6 Miscellaneous theories of hearing
61 Psychologic theories
66 Physiologic "
661 Resonance or simpathetic vibration theory (Helmholtz)
662 Telefone theory (Rutherford, Lipps)
663 Standing wave theory (Ewald, Lehmann)
664 Advancing " " (Hurst)
665 Propeld " " (ter Kuile)
666 Displacement " (Meyer)
.21 External ear: functions
.24 Middle ear
.25 **Tympanic membrane or drumhed Tympanum**
.26 **Eustachian tube**
.27 **Bones**
.28 Internal ear
.281 **Conduction of sound in internal ear**
.282 **Utricle Saccule**
.283 **Semicircular canals**
.284 **Cochlea Corti's organ or fibers Spiral orgar Basilar membrane**
.285 **Acoustic nerv**
.286 **Endolymf Perilymf**

152.287 **Acoustic perception Conduction of acoustic excitation in brain**

1 Auditory acuteness

12 Tonal gaps and ilands

2 Auditory center in brain

See also 131.22552 Sensory functions of convolutions

3 Subjectiv sensations

4 Musical psychology

Distinction of tones and quality or tone color (timbre). See also 781.1 Psychology of music

42 Tonal caracteristics

422 **Pitch**

423 **Loudness, strength or volume**

424 **Caracter, quality, timbre, tone color or brightness**

Clang-tint

43 Analisis of tones

432 **Simple tones**

433 **Compound tones or natural harmonics Clang**

2 Overtones

3 Partial tones

434 **Combination or Tartini's tones**

1 1st order

12 Difference or differential tone

13 Summational tone

2 Higher orders

44 Consonance and dissonance: intervals

441 **Theories of consonance and dissonance**

2 Theory of beats (Helmholtz)

3 " " tonal fusion (Stumpf)

4 Genetic theory (Moore)

45 Melody and rithm

46 Sensitivness to tone Tone preferences

5 Binaural and monaural hearing

51 Localization of sound in space Estimation and effect of distance

512 **Interaural differences of sound intensity**

513 **Complexity of pitches**

514 **Movements of hed**

6 Sensibility of living beings to sound and vibrations

Otocysts

7 Pathology Defness etc

8 Tests of auditory perception

.288 **Auditory reflexes**

152.3–.4 Chemic senses

152.3 **Smel Olfactory sensations Odor**
See also 612.86 Smel, in physiology

.31 Organs of smel
See also Anatomy 611.83115, 611.86

.37 Olfactory perception Conduction in brain

.371 Olfactory acuteness

.372 " center in brain
See also 131.22553 Sensory functions of convolutions, 612 82556 Seat of smel, in physiology

.373 Subjectiv odor sensations

.374 Fusion of odors

.377 Pathology

.378 Tests of olfactory perception

.4 **Taste Gustatory sensations**
See also 612.87 Taste, in physiology

.41 Organs of taste

.413 Taste buds and papillae

.415 Function of lingual nerv
See also 612.8195 Special nervs, in physiology

.417 Function of chorda tympani
See also 612.81977 Special nervs, in physiology

.419 Function of glossopharyngeal nerv
See also 612.8199 Special nervs, in physiology

.47 Gustatory perception Conduction in brain

.471 Gustatory acuteness

.472 " center in brain
See also 131.22554 Sensory functions of convolutions, also in physiology 612.82557

.473 Subjectiv taste sensations

.474 Fusion of tastes

.475 Contrast of tastes

2 Simultaneous

3 Successiv

.476 Relations of taste and smel

.477 Pathology

.478 Tests of gustatory perception

152.5–.6 Somesthetic senses or qualities

.5 **Touch Tactil sensations Cutaneous senses**
Haptic sensations

.51 Anatomy and physiology of tactil organs
See also 611.88 Anatomy, 612.88 Physiology

.57 Tactil perceptions Conduction in brain

.571 Tactil acuteness
Epicritic and protopathic sensibility

.572 Tactil center in brain
See also 131.22555 Sensory functions of convolutions, also in physiology 612.82559

152.573 Types of tactil perceptions
2 Temperature
Hot and cold spots; indifference, zero or adaptation point; paradoxic cold
3 Pressure
Including all related fenomena; e. g. tickiing, itching, contact, resistance etc
4 Pain
.574 Fusions of tactil sensations
Giving rize to sensations of rufness, smoothness, dryness, wetness etc
.577 Pathology
.578 Tests of touch perception Esthesiometry
Divide like 152.573
.6 Muscular, articular and organic senses Equilibrium
.61 Anatomy and physiology
.67 Muscular, articular and organic perceptions Conduction in brain
.671 Acuteness
.672 Brain centers
See also 131.22556 Sensory functions of convolutions, also in physiology 612.82558
.673 Types
5 Muscular and articular senses Power sense
Proprioceptiv senses, tendon and joint senses
52 Kinesthetic sensations; movement, activity
521 Weight
522 Muscular and articular movement
523 Effort and power Tendinous strain
524 Shock
525 Innervation
526 Exteriority
527 Stereognostic sense
528 Electric sense
529 Other
53 Sensations of position or relativ attitude of limbs, joints and muscles
6 Equilibrium Static sense, balance, labyrinthic sense
61 Sense of direction and orientation; general position
62 Seasickness
63 Vertigo Dizziness Giddiness Nystagmus Past pointing
9 Organic or visceral senses Internal touch
Feelings of helth, energy, hunger, thirst, fatigue etc. See also 157 Feelings. May be divided like 612, according to organ experiencing sensation; e. g. 152.673932 Stomach sensations
.677 Pathology
.678 Tests of muscular, articular and organic perceptions
Divide like 152.673

152.7 **Perception Perceptual apprehension Primary incorporations**

.72 Elements of perception

.722 **Sense presentation**

.723 **Attention**

1 Theories as to nature of attention

12 Pure mental activity

13 Emotion or feeling

14 Change in clearness of ideas

15 Muscular attraction and adaptation

2 Conditions of selection

22 Objectiv

222 **Vividness or intensity** 224 **Suddenness** 226 **Definit form**
225 **Novelty** 227 **Color**

223 **Duration Repetition**

23 Subjectiv

232 **Mental attitude** 234 **Expectancy** 236 **Psychic fringe**

233 **Interest** 235 **Purpose**

3 Varieties

32 As to origin

322 **Innate or instinctiv Primary Natural**

323 **Acquired or derived Secondary Artificial**

33 As to stimuli

332 **Sensorial Objectiv Explicit**

333 **Intellectual Subjectiv Implicit**

34 As to development

342 **Involuntary Passiv Immediate**

343 **Voluntary Activ**

See also 159 Wil

2 Cause theory

3 Effect "

344 **Spontaneous or nonvoluntary**

4 Physical reactions

41 Vasomotor, circulatory

42 Respiratory

43 Bodily attitude

5 Clearness and strength of attention

52 Clearness

522 **Focal** 523 **Marginal**

53 Strength or degree

532 **Concentrated** 533 **Divided**

6 Scope and duration

62 Scope, range or span

63 Duration and fluctuation

632 **Sustaind** 633 **Shifting**

7 Acquired inattention and pathology of attention

8 Mesurements of attention

152.724 **Apperception**

.725 **Preperception**

See also 155.2 Imagery

.73 Errors of perception Normal illusions

For abnormal illusions and hallucinations see 132.1 Insanity, 133.2 Hallucinations, illusions. See also 152.1374 Optic illusions. Divide like 152.2–.6; e. g. Illusions of touch, Aristotle's illusion 152.735, Illusions of missing limbs 152.736

.75 Special classes of perceptions

.752 **Perception of space and extent Localization of objects**

See also 114 Space (metaphysics)

01 General theory

016 Miscellaneous theories of space perception

3 **Nativistic theories**

32 Psychic stimulus theories

322 Theory of local signs (Lotze)

323 " " circles of sensitivity (Weber)

324 Kantian theory of intuitiv space

33 Extensity theories (James etc)

4 **Empiric and genetic theories**

42 Associationist theories

43 Creativ synthesis, fusion, 'mental chemistry' or complex local signs theories (Herbart, Wundt etc)

44 Unconscious inference theory (Helmholtz)

45 Continuous differences " (Lipps)

2 Elements of space perception

22 Distance

23 Size

24 Form

25 Direction

3 Sensory factors in space perception

Divide like 152.1–.6. See also 152.13723 Binocular perception of distance, size and form, 152.28751 Binaural localization of sound in space

7 Pathology

8 Mesurements of space perception

.753 **Perception of time (duration) and rithm**

See also 115 Time (metaphysics)

7 Pathology

8 Mesurements of time and rithm perception

.754 **Perception of movement**

See also 116 Motion (metaphysics)

7 Pathology

8 Mesurements of movement perception

152.77 Synesthesia

See also 152.1373 Colord audition, 612.887 Synesthesia (physiology)

.7701 General theory

15 Theories of synesthesia derived from the pure sciences

Divide like 500, e. g. 152.770157 Biologic, atavistic or ontogenetic theory

16 Miscellaneous theories

161 Psychologic theories

2 Affectiv association theory

3 Conditiond reflex "

166 Physiologic theories

2 Anastomosis theory

3 Nervous irradiation theory

.771 Visual Synopsie Photisms

2 Chromesthesia Pseudochromesthesia Chromisms

See also 152.1373 Colord audition

21 Colors accompanying visual perceptions of lines, forms, figures, letters etc

23 Colord smels

24 " tastes

25 " tactil sensations

252 **Temperature** 253 **Pressure** 254 **Pain**

26 Colord muscular, articular and organic sensations

3 Figured or geometric audition: geometric forms accompanying sounds of words

4 Number forms

.772 Auditory Phonisms

1 Of visual origin

3 " olfactory "

4 " gustatory "

5 " tactil "

52 Temperature

53 Pressure

54 Pain

6 Of muscular or organic origin

.773 Olfactory

Divide like 152.1–.6 according to origin

.774 Gustatory

Divide like 152.1–.6 according to origin

152.775 **Tactil**
2 Temperature sensations accompanying other sensations
Divide like 152.1–.6 according to origin
3 Pressure sensations accompanying other sensations
Divide like 152.1–.6 according to origin
4 Pain sensations accompanying other sensations
Divide like 152.1–.6 according to origin
.776 **Muscular, articular and organic**
Divide like 152.1–.6 according to origin
.777 **Personifications or dramatizations of ideas, letters, digits or words**

.8 Psychophysics Psychometry Quantitativ psychology

See also 151.2 Mesurements

.82 Psychophysics

.821 **Laws**
2 Threshold law
3 Weber's law
31 Interpretations of Weber's law
312 **Physiologic 313 Psychophysical 314 Psychologic**
4 Fechner's laws
42 Logarithmic law
43 Parallel law
5 Breton's (Fullerton and Cattell's) parabolic law
6 Merkel's law
.822 **Principal formulas**
Including variations and interpretations
2 Fundamental formula
3 Mesurement "
4 Difference mesurement formula
.823 **Methods**
2 Gradation methods
22 Method of least or just noticeable differences or minimal changes
23 Method of mean gradation or equal sense distances
3 Error methods
32 Method of average error
33 " " right and wrong (or true and false) cases or constant stimuli
4 Method of equivalents

152.824 **Apparatus**
Special apparatus adapted to study of each sense, divided like 152.1–.6
1 Optic: photoesthesimeters, tachistoscopes etc
2 Acoustic: acousimeters etc
3 Olfactory: olfactometers etc
4 Gustatory
5 Haptic or tactil
52 Temperature: thermesthesimeters etc
53 Pressure: esthesimeters, weights etc
54 Pain: algometers, algesimeters etc
6 Muscular, articular and organic
.825 **General classes of mesurements**
2 Stimulus threshold
22 Lower, minimum sensitivity or threshold of consciousness, limen
23 Upper, maximum sensitivity
24 Range of sensitivity
3 Difference threshold Difference sensitivity
32 Just noticeable differences Units of sensation
33 " not noticeable "
34 More than just noticeable differences
.826 **Special fields of mesurement**
May be divided like 152–159, if one wishes to keep together, e. g. Esthesiometry, mesurement of touch perception, 152.82625; but in general use better class with special field, e. g. 152.578 Tests of touch perception
.828 **Applications**
May be divided like main clasification; e. g. 152.828132 Sensitivity of the insane
.83 Psychometry Psychochronometry Mental chronometry
.8309 History
902 Astronomic period: personal equation
903 Physiologic period: velocity of nervous impulse
904 Psychophysical period: duration of simple mental processes
2 Period of mental tests
See also 151.2
905 Psychologic period: analisis of action consciousness
.832 **Apparatus**
2 Mesuring and recording instruments
Chronoscopes, chronometers, stop watches, chronografs, psychodometers etc
3 Control instruments
Gravity chronometers, control pendulums, control hammers, etc
4 Stimulators
Special instruments adapted to stimulation of each sense organ Divide like 152.1–.6
5 Reaction instruments
Reaction keys, etc

152.833	**Methods**
2	Observation methods
3	Recording "
32	Visual
33	Mechanic Chronografic
4	Statistical
.834	**Classes of reaction time**
2	Physiologic or reflex reaction time
3	Psychophysical reaction time
32	Simple
322	**Sensorial**
323	**Muscular or motor**
324	**Psychologic, central or reduced**
33	Compound or complex
332	**Discernment, cognition or perception time**
333	**Discrimination time**
334	**Choice time**
335	**Association time**
2	Free
3	Controld or constraind
32	Partly
33	Wholly
.835	**Elements of reaction time**
2	Excitation of sensory nerv
3	Centripetal conduction
32	In sensory nerv
33	" spinal cord
4	Transformation of sensory into motor impulse
5	Centrifugal conduction
52	In spinal cord
53	" motor nerv
6	Releasing of muscular movement

152.836 **Conditions affecting reaction time**

2 Objectiv

22 Sense organ stimulated

23 Caracter of stimulus

232 **Intensity** **233** **Quality** **234** **Duration**

24 Caracter of reaction

242 **Complexity** **244** **Accuracy**

243 **Rapidity** **245** **Extent**

25 Caracter of instructions

26 Environmental influences

262 **Physical: temperature, atmosferic pressure, etc**

263 **Social**

3 Subjectiv

31 Age

32 Sex

33 General attitude

34 Concentration and expectation

35 Practis

36 Helth

37 Fatigue

38 Drugs

39 Other

.837 **Special fields of mesurement**

May be divided like 152–159, if one wishes to keep together, e. g. 152.83724 Degree of taste, 152.837434 Mesure of recognition; but in general use better clast with special field, e. g. Degree of taste 152.478, Mesure of recognition 154.834

.838 **Applications**

Divide like main clasification; e. g.

152.838132 Reaction time of insane

.83852 " " in astronomy

See also 522.97 Personal equation, astronomy

153 Understanding Cognition Knowledge Comprehension

See also 121 Theory of knowledge, 126 Consciousness, 131 Physiologic psychology

Activ or thinking faculty or functions Intellection

Ideation. Comprehensiv function or thinking about

.1 **Conception Concept or notion, idea, meaning**

Relations to other psychologic topics may be exprest by using colon to indicate relation, e. g.

153.1 :152.7 Conception and perception
153.1 :153.4 " " reflection
153.1 :155 " " imagination

or, if preferd, use 153.10005 divided like 150, e. g. Conception and perception 153.1000527

.101 General theory
6 Miscellaneous theories of conception
62 Nominalist
63 Conceptualist
64 Sensationist
66 Physiologic
662 Kinesthetic or ideomotor

.11 Origin
.112 **Innate**
.113 **Acquired**

.12 Forms
.122 **Simple**
.123 **Complex**

.13 Types
.132 **Of individuals or particulars, concrete**
.133 **" generals or universals, abstract**

.14 Growth or development
.17 Pathology
.18 Mesurements

153.2 **Association**
Association of ideas. Psychologic connections. Secondary and mixt incorporations. See also 154 Memory and lerning
.21 Laws of association
.211 **Primary**
2 Contiguity or continuity in time and space
External association
22 Simultaneous
23 Successiv
3 Similarity
4 Contrast
.212 **Secondary**
2 Primacy
3 Frequency or repetition
4 Recency
5 Vividness
6 Emotional congruity
7 Interest
8 Rithm
9 Other
.22 Physiologic mechanism
.23 Types
.232 **Redintegrativ, compound or impartial**
Redintegration
.233 **Ordinary or mixt**
.234 **Similar**
.235 **Dynamic**
.236 **Serial**
.27 Pathology
.28 Mesurements
.3 **Abstraction Selection Comparison**
.301 General theory of abstraction
6 Miscellaneous theories
62 Generic image theories
63 Comparison or distinction of reason theories
Law of dissociation by varying concomitants
64 Attention and apperception theories
65 Motor theories
.32 Determining factors
.322 **Formulation of problem**
.323 **Fixt trend of reproductiv tendencies**
.324 **Effectivness or vividness of stimulus**

153.33 Types
.332 Discrimination of differences
.333 Recognition of similarities
.34 Products
.342 Topics: aspect topics
.343 Exemplifying images, simbols, recepts
.344 Classes or concepts: generalizing topics
.37 Pathology
.38 Mesurements
.4 **Reflection**
Indicatory transfers, flashes, attitudes, postures, awareness, cortical set (All these ar terms used to describe what goes on during process of reflection). See also 153.72 Self-consciousness
.47 Pathology
.48 Mesurements
.5 **Judgment**
.53 Clasification Types
.532 As to form
2 Existential
3 Attributiv or predicativ
32 Hypothetic or conditional
33 Categoric
34 Disjunctiv
.533 As to method
2 Analitic
3 Synthetic
.534 As to nature of response
2 Implicit
3 Orientiv
4 Predictiv
.54 Formation of judgments
.542 Immediate apprehension
.543 Communication
.544 Reasoning or thought
.57 Pathology
.58 Mesurements

153.6 **Reasoning Induction and deduction Inference**

Elaborativ function or thinking out. Problem solving. See also 160 Logic

.62 Elements

.622 **Problem or task**

.623 **Elaboration**

.624 **Solution**

.63 Types

.632 **Elementary**

Reasoning from 2 particulars to a 3d particular

.633 **Inductiv**

.634 **Deductiv**

.64 Processes

.642 **Mental**

.643 **Physical**

.65 Use of simbols or secondary meanings

.652 **Thought and language Imageless thought**

.66 Products or results

.662 **Knowledge of reality**

.663 **Beliefs**

2 Faith

3 Dout

4 Disbelief

.664 **Values Worth**

.665 **Meanings**

.67 Pathology

.68 Mesurements

.7 **Consciousness Personality**

Personal identity. See also 126 Metaphysics, 137 Mind and body, 233.6 Doctrin

.72 Development or emergence of personality

Self consciousness. The ego. Self and not-self, self and body, inner self, self as person, self and society. See also 132.1523 Dissociation of personality, depersonalization, dual and multiple personality

.77 Pathology

.78 Mesurements

153.8 **Unconsciousness Depth psychology**

Psychology of the unconscious, coconscious, foreconscious, subconscious. Subliminal consciousness, automatisms. See also 127 Metaphysics, 130.16322 Mind-body relations, 133.32 Divination, 133.93 Spiritism, 158.4 Automatic movements

.82 Sistems or schools of depth psychology

See also 131.34 Psychoanalisis

.822 **Psychologic school**

Prince, Rivers, McDougall etc

.87 Pathology

.88 Mesurements

154 Memory and lerning Reproductiv power Mnemonic apprehension

See also 155 Imagination, 132.8 Mnemonic derangements

.01 General theory

.015 Theories of memory based on the pure sciences

Divide like 500, e. g. 154.0157 Biologic theories

.016 Miscellaneous theories

1 Metaphysical theories

3 Representation "

32 Image theories

33 Assimilation theories

4 Presentation theories

42 Physical or physiologic theories

43 Objectiv "

5 Subjectiv or function theories

52 Psychophysical function theories

53 Psychic " "

532 Mental habit theories

533 " disposition theories

534 Motor and emotion "

2 Synergy theories

3 Attention "

4 Self-recognition theories

5 Psychoanalitic "

.07 Study of memory

.072 Experimental study

5 Methods

58 Special methods

581 Lerning method

582 Saving "

583 Method of paird associates, of hits and misses or scoring method

584 Memory span method

585 Method of retaind members

586 Reproduction

2 By description

4 " drawing

587 Identification or recognition

588 Comparison and selection

589 Other

.078 Materials or apparatus

Nonsense sillables, objects etc

154.1 **Mnemonics Methods of aiding memory**
Mnemotechny: memory training, mnemonic devices, memory sistems, mnemonic technic
.12 Ingenious or artificial methods
.122 **Metric**
.123 **Topical or local**
.124 **Pictorial**
.125 **Figure-alfabet**
.126 **Progressiv suggestion or intermediate associations**
.13 Mechanic or repetition methods
.14 Judicious or logical methods
.2 **Types of memory**
.22 Sensimaginal Memory images
.221 **Visual**
.222 **Auditory**
.223 **Olfactory**
.224 **Gustatory**
.225 **Tactil**
.226 **Motor**
.23 Organic
.24 Affectiv or emotional
.25 Abstract
.3 **Memory processes**
.32 Retention Retentivness
.321 **Basis of retention**
2 Mental state
3 Physiologic or neural trace; disposition
.33 Reproduction and representation Recall Revival
Remembering
.331 **Conditions or causes**
2 Perseveration
3 Interest
4 Association Suggestion
.333 **Types**
2 Free or spontaneous
3 Determind or voluntary
Recollection, reminiscence
32 Empiric
33 Logical

154.334	**Kinds of stimuli**
2	Perceptions
3	Images
4	Ideas
5	Emotional complexes
.335	**Degrees of recall**
2	Partial or selectiv
3	Complete
.336	**Interferences in recall**
34	Recognition or identification
.342	**Factors in recognition**
2	Mental associations
22	Past reference
23	Localization
24	Personal ownership
3	Affectiv associations or feelings
32	Of familiarity or unfamiliarity
33	" correctness or incorrectness
34	" certainty or dout
4	Kinesthetic or motor associations
.343	**Types of recognition**
2	Explicit or perceptual, direct or immediate
3	Implicit or ideational, indirect or mediate
.344	**Forms of recognition**
1	Individual identity
2	Material "
3	Imaginal recognition
4	Clas "
5	Formal or logical recognition
6	Self recognition
7	Relativ recognition
8	Absolute "
9	Other

154.4 **Lerning or acquisition**
See also 158.433 Motor lerning

.42 Methods
.423 **Mechanic**
2 Practis and repetition
3 Trial and error
4 Imitation
.424 **Logical**
2 Association
3 Discrimination
.43 Types
.432 **Memorizing or rote lerning**
2 By parts
3 " wholes
.44 Aids to lerning
.441 **General questions**
.442 **Attention and concentration**
.443 **Interest**
.444 **Wil to lern**
.445 **Rithmic presentation**
.446 **Rest periods**
.447 **Number and frequency of repetitions**
.448 **Recitation**
.449 **Other**
.45 Types of lerners
May be further subdivided like 152.1–.6. See also 137.45 Tvpes of personality
.451 **Visual**
.452 **Auditory**
.455 **Tactil**
.456 **Motor**
.46 Rate and curv of lerning
.462 **Effect of rate of lerning on memory**
.47 Transference of lerning
Cros education

154.5 **Forgetting and lapses of memory**
See also 132.8 Mnemonic derangements
.51 Causes
.512 **Inhibition**
.513 **Selection**
.514 **Weak associations**
.515 " **or disturbd neural paths and centers**
.53 Rate and curv of forgetting
.54 Degree of forgetting
.55 Value " "
.7 **Pathology of special memory processes**
See also 132.8 Mnemonic derangements
.73 Pathology of memory processes Divide like 154.3
.74 " " lerning "
.75 " " forgetting "
.8 **Mesurements of memory**
Divide like 154.7

155 Imagination Creativ power Imaginal apprehension
See also 154 Memory
.1 **Fancy Imaging power Free or uncontrold imagination**
See also 135.37 Day dreams
.2 **Imagery**
See also 152.725 Preperception
.22 Physiology of imagery
.23 Types " " Sensimaginal qualities
155.231–.236 may be divided like 152.1–.6
.237 **Verbal** .238 **Eidetic**
.24 Images and sense perceptions compared
.25 Localization of images
.3 **Forms of imagination**
.32 Reproductiv or representativ
See also 154 Memory
.33 Productiv or anticipatory
.332 **Constructiv** .333 **Creativ**
.4 **Limits of imaginativ process**
.6 **Applications**
Divide like main clasification, e. g.
155.65 Imagination in science
155.67 " " art
155.68 " " literature
.7 **Pathology**
.8 **Mesurements**

156 Intuitiv faculty or power Innate reason

Implicit apperception, innate ideas, insight, intuition. See also 143 Intuitionalism, 153.6 Reasoning, 153.8 Unconsciousness

.2 **Intellectual or speculativ intuition**

See also 151.1 Genius

.22 Direct cognition

.222 Of the self (internal sense)

.223 " " not-self (common sense)

.23 Direct judgment

.3 **Sense intuition**

.32 Direct perception

.33 " apprehension

.4 **Motor intuition**

.7 Pathology

.8 **Mesurements**

EXECUTIV FUNCTIONS

157 Emotions Affections Sensibility

Feelings. See also 152.6739 Organic senses. For relations to other psychologic topics use colon to indicate relation, e. g. Emotion and memory 157 :154, Emotion and instinct 157 :158 or, if preferd, use 157.0005 divided like 150, e. g. Emotion and memory 157.00054

.01 General theory

.016 Miscellaneous theories of sensibility and emotions

2 Intellectualistic theories

Associationist etc

3 Psychomechanic theories

Dynamic, struggle among mental processes, etc

4 Psychophysical theories

42 Biogenetic

Affectiv aspect of instincts, etc

43 Identified with desire

6 Physiologic theories

62 Pathologic

63 Sensationist

632 James-Lange, peripheral or vasomotor

633 Identified with organic sense

64 Cerebral or central

Resistance in neural processes, etc

157.07 Study of feelings and emotions
.072 Experimental study
5 Methods
53 Objectiv methods
532 Method of impression
533 " " expression
58 Special methods
582 Genetic method
583 Questioning method
584 Grafic "
585 Association "
586 Psychogalvanic "
.1 Emotional states
.12 Sentiments
e. g. Psychology of the beautiful, esthetics; better in 701.17
.13 Moods
.2 Expression of emotions
See also 138 Physiognomy, 158 Instincts
.21 Principles of expression
.212 Law of utility or serviceable associated actions
.213 " " analogous feeling stimuli
.214 " " antithesis
.215 " " direct nervous discharge
.22 Forms of expression
.222 Glandular
2 External
3 Internal
.223 Vascular
2 Circulatory
3 Respiratory
.224 Muscular
Laughter, gesture etc
.23 Recognition of emotions

157.3 **Varieties of emotions**
As no authoritativ scheme for clasifying emotions has yet been devized the individual emotions may be arranged alfabeticly
.4 **Passions or uncontrold emotions**
.5 **Properties of sensibility**
.52 Affectiv quality or tone, feeling tone
.521 **One-dimensional theory**
Plesure-pain (hedonic tone), plesant-unplesant, agreeable-disagreeable or positiv-negativ
.522 **Bidimensional theory**
2 Plesure-pain (hedonic tone)
3 Restlessness-quiescence
.523 **Tridimensional theory**
2 Plesure-pain (hedonic tone)
3 Excitement-depression (calm)
4 Strain-relaxation or tension-relief
.53 Strength, intensity or vividness
.54 Rithm and duration
.55 Content
.7 **Pathology**
.8 **Mesurements**

158 Conation and movement Instincts Appetites Motor functions
Action. Drives
.1 **Conation and feeling**
.12 Hedonic view: feeling precedes conation
.13 Hormic " : conation " feeling
.2 **Physiology of movement**
See also 612.821 Physiology
.22 Organs
See also 612.7 Physiology
.23 Functional laws
.232 **Dynamogenesis**
2 Law of diffusion
3 " " inhibition
4 " " specific motricity
.3 **Types of movement**
.4 Automatic or involuntary movements
.42 **Innate**
.422 Tropisms
.423 Reflexes
Conditiond reflexes, etc

158.424 Instincts
- 1 Theories of instinct
  - 11 **Philosofic**
  - 12 **Theologic**
  - 13 **Mechanistic**
  - 14 **Hormic**
- 2 Laws of instinct
  - 22 **Law of individualization of instincts**
  - 23 **" " transitoriness " "**
  - 24 **" " survival " "**
  - 25 **" " convergence " tendencies**
  - 26 **" " inhibition " "**
- 3 Physiology of instincts
  - See also 612.8213 Physiology
- 4 Appetites and impulses, tendencies, dispositions, desires
  - 41 **Purpose or basis**
  - 42 **Form**
  - 43 **Degree or intensity**
- 5 Varieties
  - Arrange alfabeticly. Combativness, imitation, mating, sociability etc. For play see 790.1
- 7 Pathology
- 8 Mesurements of instinct

.43 **Acquired Habits**
- .432 Physiology of habit Law of habit
- .433 Motor lerning Acquirement of skil
  - See also 154.4 Lerning
  - 3 Methods
    - 32 **Repetition Exercise Dril Practis**
    - 33 **Neural association Ligation (dynamic association)**
  - 4 Results
    - 42 **Simplification of movements**
      - 422 Emfasis and fixation of useful or necessary movements
      - 423 Elimination and inhibition of useless or unnecessary movements
    - 43 **Diminution of conscious attention**
- .434 Forms of habituation
  - 2 Central
  - 3 Contributory
  - 4 Independent or bifurcate
- .435 Right- and left-handedness
- .437 Pathology
- .438 Mesurements of habit

158.5 Voluntary or consciously controld movements
See also 159 Wil
.57 Pathology
.58 Mesurements
.7 **Work and fatigue**
.72 Work or fatigue curv
See also 154.46 Curv of lerning
.721 Initial spurt
.722 Warming up
.723 Plateaus Breathing places
.724 Decline
.725 End spurt
.73 Factors affecting efficiency
.731 Rest periods
.732 Change of work
.733 Distractions
.734 Incentivs
.735 Drugs
.736 Food and fasting
.737 Loss of sleep
.738 Climatic conditions
.739 Other
.74 Elements in fatigue
.741 Metabolic fatigue
.742 Transferd metabolic fatigue
.743 Fatigue sensations
.744 Sensory adaptations
.745 Interference
.746 Refractory period
.747 Diurnal variations
.77 Pathology
.78 Mesurements
.8 **Special motor functions**
.82 Locomotion
Walking, running etc. See also 612.76 Physiology
.83 Vocal expression
Speech, singing, whistling etc; dumness. Prefer 401 Philology for psychology of language, 784.001 Vocal music
.84 Grafic expression
Reading, writing, drawing etc. Prefer 372.4 Reading, 372.51 Writing, 372.52 Drawing

159 Wil Volition
.01 General theory
.016 Miscellaneous theories
2 Intellectualistic
3 Absolute
4 Heterogenic
42 Associationist
43 Genetic or evolutionary
44 Physiologic
5 Emotional or affectiv
.1 **Freedom of wil**
.12 Elements of free action
.122 **Alternativ**
.123 **Deliberation**
.124 **Choice Decision Resolv**
2 Effortless
22 Reasonable
23 Accidental
232 **Determind from without**
233 **" " within; explosiv**
24 Resulting from change of mood
3 Effortful Resolute Obstructed
Feeling of effort. See also 152.673523 Sensations of effort and power
.13 Responsibility
.14 Determination
.2 **Voluntary human action**
See also 158.5 Voluntary movements
.22 Types
.222 **Ideomotor**
.223 **Deliberate**
.23 Conditions of execution
.232 **Kinesthetic ideas**
2 Resident
3 Remote
.233 **Feeling of innervation**
.24 Training of wil Mental self disciplin
Initiativ, effort and accomplishment, self direction, self control
.3 **Habitudes Routines Accommodation and adaptation Adjustment**
See also 158.43 Habits
.4 **Intentions Motivs Desires**
Rationalization
.7 **Pathology**
.8 **Mesurements**

160 Logic Dialectics

See also 153.6 Reasoning power. For logic of chance, see 519 Probabilities

161 Inductiv

162 Deductiv

163 Assent Faith

See also 234.2 Doctrinal theology

164 Symbolic Algebraic

Logical machines

Logical topics

165 Sources of error Fallacies

166 Syllogism Enthymeme

167 Hypotheses

168 Argument and persuasion

169 Analogy Correspondence

See also 219 Natural theology

170 Ethics: theoretic and applied

Many topics in applied ethics occur also in law, specially in 343 Criminal law

See also 377.2 Ethical education.

.1 .2 Compends .3 Dictionaries .4 Essays .5 Periodicals .6 Societies; Society for ethical culture .7 Study and teaching .8 Polygrafy .9 History

171 Theories Philosofy of ethics

Theories of the basis of morality

.1 Authority Will of God Christian

For rules of Christian conduct see 241

.2 Intuition Moral sentiment

See also 143 Intuitionalism; 156 Intuitiv faculty

.3 Perfection

.4 Happiness Hedonism

.5 Utilitarianism

.6 Conscience Casuistry

.7 Evolutionary or educational

.8 Altruism

.9 Egoism

172 State ethics

.1 Individuals and the state Duties of citizens Patriotism

See also 320 Political science

.2 Duties of public offisers Official corruption

.3 Relations to church

Duty of state as to support and protection of church

See also 261.7 The church; 322 Church and state; 272 Persecutions

.4 International ethics Peace and war

See also 341 International law

173 Family ethics

.1 Marriage and divorce See also 347.6 Family law
.2 Polygamy and monogamy
.3 Duties of husbands and wives
.4 Infanticide
.5 Duties of parents
.6 Duties of children
.7 Home life
.8 Masters and servants See also 647 Servants; 331 Labor
.9

174 Professional and business ethics

.1 Clergy
.2 Physicians
.3 Lawyers
.4 Merchants Business men Business virtues and vices
.5 Speculation Mammonism Avaris
.6 Gambling Lotteries
See also 175 below
.7 Honor, honesty Dishonesty
Compact, promis; chicanery trickery
.8 Employers and employd
.9

175 Ethics of amusements For amusements, see 790

.1 Public shows and diversions Rinks, circuses, etc.
.2 Theater Opera Private theatricals
.3 Dancing Balls Round dances
.4 Games of skill: billiards, chess, etc.
.5 Games of chance: cards, dice, etc.
.6 Prize fighting Animal fighting: bull, dog, cock, etc.
.7 Racing: horse, boat, pedestrian, wheel, etc.
.8 Novel reading
.9 Betting Poolselling See 174.6

176 Sexual ethics

.1 Chastity
.2 Celibacy See also 253 Celibacy of clergy
.3 Continence
.4 Solitary vice
.5 Social evil See also 258 Parish care of fallen
.6 Adultery
.7 Immoral art
.8 Immoral literature
.9

177 Social ethics

.1 Curtesy
See also 395 Etiquet

.2 Conversation Gossip
See also 374.1 Self cultur

.3 Truth Slander Flattery

.4 Dress Display Sumptuary legislation

.5 Caste Class feeling Welth and rank
See also 294 Brahmanism, and 323.31 Nobility, welthy class

.6 Friendship Courtship Coquetry

.7 Philanthropy Humanity

.8 Solitude vs social obligations

.9

178 Temperance Stimulants and narcotics

May be divided by form .01–.09; see Index table 2, following Relativ index
See also 132.72 Dipsomania, 331.84 Laboring classes, 613.3 Beverages, 613.8 Nervous system

.1 Use of intoxicating drinks Beer drinking Medicinal use
See also 616.861 Alcoholism; and Alcohol, Alcoholic, in Relativ index

.2 Total abstinence vs temperance

.3 Social drinking Wine at table Treating

.4 Traffic in intoxicating drinks License High license
See also 336.276 Taxation

.5 Prohibition
Including legal discussion of prohibition. See also 329.81 Prohibition party

.6 Inebriates
Discussion, reformation. For reformatories and inebriate asylums see 362.13

.7 Tobacco

.8 Opium Hashish Chloral Ether and other drugs

.9 Gluttony and other intemperance

179 Other ethical topics

.1 Morals of the press Newspapers
See also Journalism, 070.11

.2 Cruelty
Societies for preventing cruelty to children and also general humane societies covering work for both children and animals. See also 173.4 Infanticide; 331.3 Labor of children

.3 Cruelty to animals

.4 Vivisection
See also 614.22 Vivisection laws

.5 Oaths

.6 Heroism Bravery Cowardis

.7 Life Dueling Suicide
See also 394.8 Dueling as a custom

.8 Pride Covetousness Envy Anger Sloth Jelousy Hate and other vices

.9 Humility Liberality Gentleness Patience Diligence Charity Modesty, and other virtues

180 Ancient and Oriental philosofers

See also 921.9 Biografy of ancient philosofy

181 Oriental philosofers

.1 Chinese: Confucius, Mencius
.2 Egyptian
.3 Jewish: kabala; Philo Judaeus, Maimonides
.4 Indian: gymnosophists
.5 Persian Sufism
.6 Chaldaean
.7 Sabeism
.8 Phenician
.9 Syrian

182 Early Greek philosofers

.1 Ionic: Thales, Anaximander, Anaximenes
Materialistic. Things are as they seem
.2 Italic or Pythagorean Half idealistic
.3 Eleatic: Xenophanes, Parmenides, Zeno, Melissus
Idealistic. Existence denied. Thought is the only reality
.4 Heraclitus
.5 Empedocles
.6 Atomistic
.7 Democritus
.8 Anaxagoras
.9 Other early Greek

183 Sophistic and Socratic philosofers

.1 Sophistic: Protagoras, Gorgias, Prodicus, Hippias
.2 Socrates
.3 Socratic
.4 Cynic: Antisthenes, Diogenes, Crates, etc.
.5 Cyrenaic: Aristippus, Hegesias, etc.
.6 Megaric: Euclid, Eubulides, Diodorus, etc.
.7 Elian and Eretrian: Phedo, Menedemus, etc.

184 Platonic Older Academy

.1 Plato
Class his works preferably in 888.4, but discussion of his philosofy here
.2 Speusippus
.3 Xenocrates

185 Aristotelian Peripatetic Lyceum

.1 Aristotle
Class his works preferably in 888.5, but discussion of his philosofy here
.2 Theophrastus
.3 Eudemus
.4 Strato

186 Pyrrhonist New Platonist
- .1 Pyrrhonism Skepticism Pyrrho, Timon
- .2 New Academy: Arcesilaus, Carneades, Plutarch
  See 888.8 Plutarch's works
- .3 Eclecticism: Cicero See 875.4
- .4 Alexandrian, Neo-Platonic: Philo of Larissa, Plotinus, Proclus, Porphyry, Iamblichus See 239.4 Apologetics; 273.1 Heresies

187 Epicurean: Epicurus Lucretius See also 871.1

188 Stoic
- .1 Zeno
- .2 Cleanthes
- .3 Chrysippus
- .4 Panaetius
- .5 Posidonius
- .6 Seneca See 878.5; 872.5
- .7 Epictetus
- .8 Marcus Aurelius

189 Early Christian and medieval philosofers
- .1 Gnosticism See 273.1 Basilides, Marcion. See 273.2 Manichelsm
- .2 Patristic: Tertullian, Augustine, Clement, Origen
- .3 Arabian: Avicenna, Averroes
- .4 Scholastic: Scotus, Aquinas, Anselm, Abelard
- .5 Mystic: Reuchlin, Cornelius Agrippa, Paracelsus, Servetus, Böhme

190 Modern philosofers

See also 921.1 to 921.8 Biografy of philosofy, or lives may be put here with works, with references only under 920 Biografy. Philosofic works are put here, not under the School or System to which the author may be thought to belong. See note under 140

191 American and Canadian philosofers
- .1 Jonathan Edwards 1703–58
- .2 Orestes A Brownson 1803–76
- .3 Ralph Waldo Emerson 1803–82 See 814.36
- .4 Laurens P Hickock 1798–1888
- .5 James McCosh 1811–94
- .6 Noah Porter 1811–92
- .7 Francis Bowen 1811–90
- .8 William Torrey Harris 1835–1909
- .9 Other American philosofic writers

192 British philosofers

English, Scotch, Irish, Welsh

.1	Bacon	1561–1626	See 144 Empiricism
.2	Locke	1632–1704	See 145 Sensationalism
.3	Berkeley	1685–1753	See 141 Idealism
.4	Hume	1711–76	See 824.64 English essays
.5	Reid	1710–96	See 143 Intuitionalism
.6	Dugald Stewart	1753–1828	
.7	John Stuart Mill	1806–73	
.8	Spencer	1820–1903	
.9	Other British philosofic writers		

193 German and Austrian philosofers

.1	Leibnitz	1646–1716	
.2	Kant	1724–1804	See 142 Critical philosofy
.3	Fichte	1762–1814	See 141 Idealism
.4	Schelling	1775–1854	
.5	Hegel	1770–1831	
.6	Schleiermacher	1768–1834	
.7	Schopenhauer	1788–1860	See 149.6 Pessimism
.8	Lotze	1817–81	
.9	Other German philosofic writers		

194 French philosofers

.1	Descartes	1596–1650	See 144 Empiricism
.2	Malebranche	1638–1715	
.3	Condillac	1715–80	
.4	Rousseau	1712–78	
.5	Diderot	1713–84	
.6	Lamennais	1782–1854	
.7	Cousin	1792–1867	See 148 Eclecticism
.8	Comte	1798–1857	See 146 Positivism
.9	Other French philosofic writers		

195–198 may be divided like 945–948; e.g. 196.9 Portuguese philosofers, 198.5 Swedish

199 Other modern philosofers

Divided like 940–999, except for those specially provided for in 191–198 and for modern Oriental philosofers (181); e.g. 199.438 Polish philosofers, 199.492 Dutch, 199.85 Peruvian

The heds of 180–199 are for discussions of the systems of these men and for their philosofic works not clearly belonging elsewhere, not for *all* their works. Mill's Logic is 160 not 192.7, but his *complete works* bound together are 192.7. Plato and Aristotle have individual numbers, 888.4 and .5, where their works are more useful than in 184–5 because of their classic prominence

Religion

200 Religion General works

201 Philosofy, theories, methods

202 Compends, outlines, systems

203 Dictionaries, cyclopedias

204 Essays, lectures, disputations, addresses

See also 252 Sermons

205 Periodicals, magazines, reviews

206 Societies: transactions, reports, etc.

General conferences. Societies whose work is largely done by paid offisers, most members merely contributing money; e. g. Pan-evangelical alliance, Bible and tract societies. Put history, reports, etc. here, but their publications of course go with subject

207 Education: theologic seminaries, training schools Divided like 940–999

208 Polygrafy: collected works, extracts, etc.

Many collections go under a more specific hed; e. g. 240

209 History of religion

General, including ecclesiastic antiquities, statistics, etc. See also 270 for Christian religion, and 274–279 for Christian antiquities of special countries. See also note under 290

210 Natural theology

Concerns evidence in nature exclusiv of revelation, also Christian or skeptic discussion of specific topics (211–214, 216–218). For general defense of Christian theology, see 239 Apologetics, subdivided according to kind of criticism

211 Deism Atheism Theism

Skepticism. Infidelity. Rationalism, etc.

Atheism denies existence of God. Deism accepts existence, but denies revelation and rejects Christianity. Theism believes in a god supernaturally reveald, e. g. Judaism, Mohammedanism, Buddhism, etc. Arguments from nature in support of any of these views go here

See also 231 Christian theism; 239 Apologetics; 273.8 Agnostic heresy; 149.7 Agnosticism

212 Pantheism Theosofy See 147 Pantheism; 129.5 Origin of soul

213 Creation See 113 Cosmology Evolution See 575 Science

From religious viewpoint; attempts to harmonize *Genesis* and geology. See also metaphysics, 113 Cosmology; and pure science, 575 Evolution

214 Providence See 231.5 Doctrins Theodicy See 231.8 for Christian view

Fatalism

215 Religion and science See 239.8 Apologetics

Antagonism or reconciliation between science and Bible religion. Pro and con arguments by scientists. Bridgewater treatises. For creation, see 213

216 Good Evil Depravity See 149.6 Pessimism; 233.2 Sin

217 Worship Prayer

Tests of efficacy of prayer: prayer gage. See also 264.1 Prayer; 248 Personal religion

218 Future life Immortality Eternity

See 237 Future state; 128 The soul

219 Analogies Correspondences See also 169 Logic

220 Bible General works

For similar works limited to Old or New Testament, or individual books, see specific hed below

.1 Canon Inspiration Authorship Profecy

.2 Concordances Analyses

.3 Dictionaries Cyclopedias

.4 Original texts and early versions Codices

Heds for old and new testaments are given, as they are also used for 221 and 225

.42 Chaldee

.43 Syriac

.44 Hebrew

.45 Samaritan

.46 Other Semitic: Ethiopic, Arabic, etc.

.47 Latin, Itala, Vulgate

.48 Greek, Septuagint Aquila, Symmachus, Theodotion Hexapla

.49 Other early versions: Armenian, Coptic, Gothic, etc.

220.4 and 220.5 are pure texts. A Hebrew Bible with commentary goes in 220.7 with reference from 220.44

.5 Versions of Bible Polyglots Divide by languages, like 400

These are translations from the original Hebrew and Greek. Translations from other early texts go with them in 220.4; e. g. an English translation of the Syriac goes in 220.43

.6 Hermeneutics Exegesis Symbolism Typology

.7 Commentaries on whole Bible, and annotated editions

For notes, etc. on portions of the Bible, see the most specific hed in 221–229

.8 Special topics

Divided like general Classification; e. g. natural science of the Bible in 220.85

.9 Biblical geografy and history

.91 Biblical geografy, description, etc.

See 915.69, 913.33 Palestine

.92 Scriptural biografy

See also 922.1; 232.9 Lives of Christ

.93 Antiquities, archeology

See also 296 Jewish religion; 933 History of Jews

.94 Chronology

.95 History

See 933 Jews

221 Old Testament: texts, introductions, etc.

Divided like 220; e. g. 221.7 Commentaries on Old Testament

222 Historical books

.1 **Pentateuch**
- .11 Genesis
- .12 Exodus
- .13 Leviticus
- .14 Numbers
- .15 Deuteronomy
- .16 Decalog

.2 **Joshua**
.3 **Judges and Ruth**
.4 **Samuel**
.5 **Kings**
.6 **Chronicles**
.7 **Ezra**
.8 **Nehemiah**
.9 **Esther**

223 Poetic books

.1 **Job**
.2 **Psalms**
- .3 Authorship and chronology
- .4 Special groups

  Messianic; Greater Hallel; Lesser Hallel; Vesper psalms; Penitential, 6, 32, 38, 51, 102, 130, 143; Hebraic five books, Psalms 1–41; 42–72; 73–89; 90–106; 107–150
- .5 Liturgic use by Christians Metrical versions

  See 264.038 Anglican psalter; 245 Hymnology
- .6 Commentaries on psalms

.7 **Proverbs**
.8 **Ecclesiastes**
.9 **Song of Solomon, or Canticles**

224 Profetic books

.1 **Isaiah**
.2 **Jeremiah**
.3 **Lamentations**
.4 **Ezekiel**
.5 **Daniel**
.6 **Hosea**
.7 **Joel**
.8 **Amos**

224.9 **Other minor prophets**
.91 Obadiah
.92 Jonah
.93 Micah
.94 Nahum
.95 Habakkuk
.96 Zephaniah
.97 Haggai
.98 Zechariah
.99 Malachi

225 New Testament: texts, introductions, etc.

Divided like 220

226 Gospels and Acts

.1 **Harmonies**
.2 **Matthew**
.3 **Mark**
.4 **Luke**
.5 **John**
.6 **Acts of the apostles**
.7 **Miracles**
.8 **Parables**
.9 **Lord's prayer**

227 Epistles

.1 **Romans**
.2 **Corinthians 1**
.3 **Corinthians 2**
.4 **Galatians**
.5 **Ephesians**
.6 **Philippians**
.7 **Colossians**
.8 **Other Pauline epistles**
.81 Thessalonians 1
.82 Thessalonians 2
.83 Timothy 1
.84 Timothy 2
.85 Titus
.86 Philemon
.87 Hebrews
.9 **Catholic epistles**
.91 James
.92 Peter 1
.93 Peter 2
.94 John 1
.95 John 2
.96 John 3
.97 Jude

228 Apocalypse Revelation

229 Deuterocanonical books Apocryfa Pseudepigrafa

.1 Esdras 1, 2

.2 Tobit, Judith, Esther

.3 Wisdom

.4 Ecclesiasticus

.5 Baruch, Epistle of Jeremy, Song of the three children

.6 Story of Susanna, History of Bel and the dragon, Prayer of Manasses

.7 Maccabees 1, 2, 3, 4

.8 Pseudo gospels

.9 Other pseudepigrafa

.91 Old Testament

.911 Historical books

.912 Poetic books

.913 Profetic books Jewish apocalypses

Book of Enoch; Assumption of Moses; Epistle of Baruch; Apocalypse of Baruch; Ascension or vision of Isaiah; 4th book of Esdras; Book of Eldad and Modad; Apocalypse of Elias; Apocalypse of Zephaniah; Apocalypse of Daniel

.914 Testaments

Testament of the 12 patriarchs; Testament of Abraham; Testament of Job

.915 Other books by or about the profets

Books of Elias, Jasher, Jesirah, Zorah

.92 Pseudepigrafa of the Acts of the apostles

.93 Pseudepigrafa of the epistles

.94 Pseudepigrafa of New Testament apocalypses

.95 Other recently discovered pseudepigrafa

.951 Sayings of Jesus

230 Doctrinal Dogmatics Theology

General doctrinal works may be subdivided by churches like 280–289. See also 252.3 Clas here polemics either offensiv or defensiv, when distinctly doctrinal; but clas in 280 history of a sect, even if largely controversial and of a limited period. Clas controversy about a special doctrin with its subject; e.g. controversy on the atonement 232.3

231 God Unity Trinity

.1 God the Father, Creator

.2 God the Son, Redeemer

Second person of the Trinity, irrespectiv of his appearance on earth as the historic Christ

.3 God the Holy Ghost, Giver of Life, Sanctifier

.4 Divine attributes: omniscience, omnipresence, omnipotence

.5 Divine providence See also Natural theology 214

.6 Divine love and wisdom

231.7 **Divine law** **Government of God**

.73 Miracles

Supernatural events. Wonders. Thaumaturgy. The miracle as an argument of faith; belief in miracles. Bible miracles and post-Bible miracles. Miraculous places. Miraculous objects: relics, statues, images. Miraculous cures. Stigmata

.74 Revelation, vision and appearing of God

.8 **Theodicy**

Vindication of God's justis in permitting evil. See also Natural theology, 214

.9

232 Christology

.1 **Incarnation** **Messiah**

.11 Messiah according to the Bible

.12 Messianic profesies

.121 **Protevangelium** **Promis to Adam of a redeemer**

.122 **Promises to the patriarchs**

.123 **Profesy of Jacob**

.124 **Promises to David**

.125 **Profesies in Psalms**

.126 **Profesy of Isaiah**

.127 **" " Daniel**

.128 **Other profesies: Zechariah, Jeremiah etc.**

.129 **Apocryfal profesies**

.13 Waiting for Messiah

.2 **Logos, the Word of God**

.3 **Atonement**

.4 **Sacrifice**

.5 **Resurrection**

.6 **Second coming** See also 286.7 Second adventists

.7 **Judgment**

.8 **Divine humanity**

Divinity of the man Jesus, pro and con

.9 **Lives of Christ**

General biografies of Christ: His person, teaching, works, influence

.91 Annunciation

.92 Infancy

.921 **Nativity**

.922 **Adoration of the shepherds**

.923 **The 3 wize men** **Epiphany**

.924 **Circumcision**

.925 **Massacre of innocents**

.926 **Flight into Egypt**

.927 **Retired life in Nazareth**

.928 **Presentation in temple**

.929 **Jesus among the doctors**

.93 Holy family

.931 **Mary**

.932 **Joseph**

.933 **Parents of Mary: Joachim, Anne**

.94 John the Baptist, forerunner of Christ

232.95 Public life of Christ
.951 Baptism
.952 Temptation
.953 Calling apostles
.956 Transfiguration
.957 Lord's supper
.958 Last words
.96 Passion of Christ
.961 Betrayal by Judas
.962 Trial Condemnation
.963 Crucifixion Deth
.964 Burial Laying in grave
966 Relics of passion
.967 Descent into hell
.97 Resurrection and ascension
.971 Appearances of Christ
.972 Ascension
.98 Agrapha
Christ's words not contained in Gospels
.99 Legendary, apocryfal and imaginativ, accounts of Christ
.991 Poetry .992 Drama .993 Fiction

233 Man

.1 **Origin Fall**
.11 Creation of man Preadamites Coadamites
.12 Primitiv state of innocence Elevation to supernatural order Theory of supernatural and of state of pure nature
.13 Erthly paradise Eden
.14 Fall Nature of original sin Its results Transmission
See also 273.5 Pelagian heresy
.2 **Sin**
.21 Mortal and venial sin
.22 Sins against the Holy Ghost
.3 **Moral and spiritual heredity**
See also Biology, 575.1; Psychology, 136.3; Metaphysics, 129.2
.4 **Accountability**
.5 **Natural and spiritual body**
.6 **Personality** See also Metaphysics, 126
.7 **Freedom** See also 234.9; 123; 159

234 Salvation Soteriology

.1 **Grace**
See also 273.7 Jansenist heresy
.11 Actual grace
.111 **Nature and form**
.112 **Necessity**
Doctrin of Pelagians, Socinians, Remonstrants and Rationalists; of Lutherans, Calvinists, De Bay, Jansen and Quesnel
.113 **Free grace**
114 **Distribution of the graces**
.115 **Relation between grace and free will Premotion Molinism**
See also 234.9 Predestination
.12 Sanctifying grace
.123 **Nature of sanctifying grace**
.13 Merit
.14 Innate virtues
.15 Gifts of the Holy Ghost
.2 **Faith**
.21 Nature
Natural elements and natural motivs in exercize of faith. Formal motiv: authority of God
.22 Necessity of grace for belief
.23 Relation between faith and science, revelation and reason
See also 215 Religion and science; 239.7 Apology against rationalists
.24 Rule of faith Test of truth in theology
See also 262.7 Tradition; 262.8 Authority of the church
.25 Reveald mysteries in general
.26 Religious doubt
.3 **Redemption**
.4 **Regeneration**
.5 **Repentance**
.6 **Obedience**
.7 **Justification**
.8 **Sanctification**
.9 **Predestination and freewill** See also 233.7; 123; 159

235 Angels Devils Satan

236 Eschatology Last things

.1 **Deth**
.2
.3 **Millennium**
.4 **Intermediate state Sheol Hades**
.5 Purgatory
.6 Paradise Limbus patrum
.7 Limbo Limbus infantum
.8 **Resurrection**
.9 **Judgment** See also Christology, 232.7

237 Future state See also Natural theology, 218

.1 Eternity
.2 Immortality
.3 Conditional immortality
.4 Heven
.5 Hell Gehenna
.6 Retribution Future punishment
.7 Eternal punishment See also 289.1 Universalists

238 Creeds Confessions Covenants Catechisms

Divided more closely if wisht like 280–289; e. g. 238.19 Greek church

.1 Apostles, Nicene, and Athanasian creeds
.2 Creed of Pius 4 (Trent) and later Roman
.3 Anglican 39 articles, A. D. 1551 See also 264.037 Liturgy
.4 Continental protestant Lutheran Calvinist Dort
.5 Westminster Saybrook Cong'l Cambridge Savoy
.6–.9 Of other sects Divided like 286–289

239 Polemic theology Apologetics Evidences of Christianity

If preferd, courses of apologetic lectures may be kept together; e. g. 239.01 Bampton; .02 Boyle; .03 Hulsean; .04 Bohlen; .05 Paddock; .08 Miscellaneous. More usefully each book is clast under the most specific hed that will contain it
See also natural theology 211–218 and doctrins 231–237 for discussion of separate topics

.1 Apostolic age
.2 Against the Jews
.3 Against the heathen
.4 Against the Neo-Platonists See 273.1 Gnostic heresy
.5 Against the English and Scotch deists See 211 Deism
.6 Against the French encyclopedists
.7 Against the rationalists
See 211 Natural theology; 273.8 Agnostic heresy; 149.7 Agnosticism
.8 Against the scientists For nonchristian view, see 215
.9 Other special denials

240 Devotional Practical

241 Didactic
Specifying the Christian's duty to do and to avoid. For Catechisms see 238

242 Meditativ, contemplativ
Consolatory. See also 248 Personal religion

.1 Thomas à Kempis

243 Hortatory, evangelistic
Urging sinners to Christian repentance

244 Miscellany: religious novels, Sunday school books, allegories, satires, etc.
But clas Bunyan in 823.42 because of his literary prominence

245 Hymnology Religious poetry
Hymns without music. For hymns with music see 783.9
Divided by languages, like 400, and then, after 0, by churches, like 280, if denomination is clearly markt
See also 223.5 Psalms

246 Ecclesiology Symbolism Religious art
246-7 cover religious bearings. For art side see 704.948

.1 Byzantine and Gothic ecclesiology
See 723 Medieval architecture; 726 Religious architecture

.2 Primitiv church and heathen art

.3 Images in churches Iconoclasts

.4 Protestantism and religious art

.5 Emblematic and cryptografic art: catacomb symbols

.6 Liturgic symbolism: altar, colors, lights
See also 264 Public worship

.7 Evangelistic use of music and art, pictorial and plastic: Della Robbias

.8 Eucharistic music: Ambrose, Gregory the Great Later development See also 783 Sacred music; 264.2 Public worship

.9

247 Sacred furniture Vestments Vessels Ornaments, etc.

.1 Font Baptistery Lectern Pulpit

.2 Tabernacle Rood screen Reredos

.3 Sculpture and mortuary design
See 718 Monuments; 726.8 Mortuary bildings; 730 Sculpture

.4 Illumination Mosaics Enamels Staind glass
See also 745 Ornamental design; 748 Staind glass

.5 Fresco and religious painting See also 750 Painting

.6 Pallium Miter Crozier Ring

.7 Vestments and altar cloths

.8 Eucharistic vessels See also 265.3 Sacraments

.9 Ornaments, etc: crucifix, banners, thurible, incense

248 Personal religion Asceticism
See also 273.2 Ascetic heresy

249 Family devotions See 264 Public worship

250 Homiletic Pastoral Parochial

251 Homiletics Preaching See 264.6 Public worship
Divided like 252, for matter *about* special kinds of sermons

252 Sermons

When too varied for any of the subheds .1–.9, may be divided with .0 by churches and sects, like 280; e. g. protestant episcopal sermons 252.03, but a collection of bishop's addresses 252.1. Sermons on specific topics ar more useful, like other pamflets, clast with the topics, e. g. a sermon on family devotions is 249, not 252.4; on strikes, 331.892. Tho the 9 heds below ar for collections and cross references, they may be used for separate sermons if preferd

.1 Episcopal charges Pastorals

.2 Controversial Polemic

.3 Doctrinal Dogmatic See also 230 Dogmatics

.4 Practical Devotional

.5 Academic Educational See also 378...K Baccalaureates

.6 Political Public occasions and duties
Thanksgiving and Fast day

.7 Consecration Ordination Installation
See also 265.4 Ordination; 265.9 Consecration; 262.16 Orders

.8 Expository

.9 Memorial Obituary Biografic Historical
Memorial of a special church goes with that church in 280. See also 920 Biografy

253 Pastoral life and duties Celibacy

254 Church finance Cleric support

255 Brotherhoods Sisterhoods
In the parish. For Monastic orders, see 271

256 Societies for parish work: gilds, sodalities
Local societies. Discussion of desirability of such work. For general societies see 206 and 267

257 Parish educational work
Schools, libraries etc. See also 377.5 Education; 027.832 Parish libraries

258 Parish welfare work
Work for sick, fallen, afflicted etc. See also 265.8 Ministry of sick; 176.5 Social evil

259 Other ministrations and work

260 Christian church: institutions and work

261 The church

Its influence on morals, civilization, etc. Relation to social questions, laboring classes, etc.

.1

.2

.3 Church vs barbarism

.4 Church and morals

.5 Church and intellectual development See also 377.8 Education

.6 Church and civilization

.7 Church and civil government

See 172.3 State ethics; 322 Church and state

Their relations: religious liberty; tolerance and intolerance; state religion; patronage of church by civil government, suppression; disestablishment; union of church and state; concordat; etc.

.73 Power of church over temporal power of princes Theocracy

.75 The church and modern freedom

Papal syllabus of Pius 10

.8 National churches vs organic unity

.9

262 Ecclesiastic polity

.1 Ministry

.11 Apostolic succession

.12 Episcopate

.13 Papacy Primacy Papal supremacy

.131 Caracteristics of the papacy

Primacy of see of St Peter and pontifical infallibility

.132 Temporal power of pope Pontifical states

.135 Conclave Election of pope

.136 Organization of the pontifical curia

.14 Priest Presbyter Minister Lay ministry

.15 Deacon Deaconess Evangelist

.16 Orders Ordination See 265.4 Sacraments; 252.7 Sermons

.17 Episcopal

.18 Presbyterian

.19 Congregational

.2 Parish Congregation See 250 for Parochial work

.3 See Diocese Cathedral system

.4 Council Synod Presbytery Congregation Convention

Polity only, here. Proceedings go with churches, 281–9

.41 National

.5 General or ecumenic council See also 270.2

.6 Canons Decrees

.7 Traditions

.8 Authority Church and ministerial Private judgment

.9 Disciplin Courts Trials For Church law see 348

263 Sabbath Lord's day Sunday
.1 Hebraic sabbath
.2 Modern sabbath Seventh day
.3 Lord's day Christian Sunday
.4 Sunday observance
.5 Work
.6 Amusement
.7 Opening libraries and museums See also 024.4 Library rules
.8 Sunday laws
.9

264 Public worship Divine servis Ritual Liturgy
Prayer books. See also 246 Ecclesiology; 247 Sacred furniture. General works ar divided with .0 by churches like 280; e. g. Roman catholic prayer book 264 02. Under various churches the servises may be further divided, as e. g.
.03 Anglican and American P. E. ritual
.031 Calendar Festivals and fasts See also 529.44 Chronology
.032 Lectionary and rubrics
.033 Morning prayer Litany
.034 Evening prayer Vespers Compline
.035 Sacraments, ordinances, and servises See also 265 Sacraments
.036 Collects, epistles and gospels
.037 Ordinal Articles Creeds See also 238.3 Creeds, doctrine
.038 Psalter and other See 223.5 Psalms; 245 Hymnology
.039 History of successiv prayerbooks
.1 Prayer Extempore Liturgic
See also 248–249 Private and family prayer
.2 Music Singing Instrumental Praise meeting
See also 783 Sacred music; 246.7, 246.8 Ecclesiology
.3 Scripture readings
.4 Antiphonal or responsiv readings
.5 Confessions of faith Creeds See also 238 Creeds
.6 Sermons Exhortations Instructions
See also 251 and 252 Preaching and sermons
.7 Prayer and conference meetings
.8 Clas and covenant meetings Love feasts
.9 Sacramentals See also 265 Sacraments

265 Sacraments Ordinances
.1 Baptism
.2 Confirmation Church fellowship
.3 Eucharist Holy communion Sacrifice
.4 Holy orders Ordination See also 262.16 Ministry; 252.7 Sermons
.5 Marriage See also 173 Ethics of the family
.6 Penance Confession Absolution
.61 Contrition See also 234.5 Repentance
.62 Confession

265.63 Satisfaction
.64 Absolution
.65 Censures: excommunication, suspension, interdiction
.66 Indulgences
.67 Ancient public penance
.68 Reconciliation of heretics
.69 Ministration of the sacrament
.7 **Extreme unction Viaticum**
.8 **Ministry of sick and ded: faith cure, healing, burial**
.9 **Consecration Dedication** See 262.16 Ordination; 252.7 Sermons

266 Missions: home and foren

Subdivided by churches, like 280. See also 269 Parish missions; 377.6 Missionary schools

Missions in special countries or places covering the work of several sects go under the geograficly divided Religious history 274–279. The mission of a single sect in a special country or place may, according to preference, be clast with Missions in 266, subdivided by sect, or with Religious history 274-279

267 Associations

General societies demanding of members activ personal work. For local societies, see 256. For Bible, tract, and similar general societies see 206

.1 **Religious societies of both men and women**
.11 U. S. Christian commission
.15 Salvation army
.18 Denominational
Divided like 280; e.g. 267.186 Baptist adult union
.2 **Religious societies of men**
For Y. M. C. A. see 267 .3; missionary societies, 266; ministerial education societies 207; Bible societies, 206
.21 17th century or earlier
.22 18th century
} May be divided by countries like 940–999
.23 19th century or later; inter- and undenominational
.231 In educational institutions
Divided like 940–999. If preferd, cancel .231 and put all together in .234–9
For work of Y. M. C. A. see 267.361
.232 Nasmith societies
.233 Young men's Christian unions; i. e. not "evangelic," etc.
.234–.239 Others Divided like 940–999
.24 19th century or later; denominational
.241 In educational institutions
Divided like 282–289. If preferd, cancel .241 and put all together in .242–9. For work of Y. M. C. A. see 267.361
.242–.249 Others Divided like 282–289
.3 **Young Men's Christian associations**
Following subdivisions may also be applied to 267.432 Women's and 267.5 Young women's Christian associations
.31 General questions
Objects, field, extension. Relation to church. Methods of local, state, national, international work. For history, reports, etc. see 267.39
.32 Buildings
Location, plans, provision for special rooms; lighting, heating, ventilation; furniture and fixtures. See also 726.973 Architecture

267.33 Organization
Incorporation, branches and suborganizations, managers, trustees, standing committees, membership, etc.
.34 Salaried officers: Duties, qualifications, training
.341 General secretary and assistants
Including international and state secretaries
.342 Librarian and assistants
For library administration see 025 Library economy, 267.353 Library in Education dept
.343 Phisical director and assistants
See also 267.355 Phisical dept, 613.7 Recreational hygiene and gymnastics
.344 Other salaried officers
.345 Training: Need, methods, demand, supply
.346 Training schools
.347 Apprenticeship training
.348 Institutes .349 Conferences
Methods only; for reports see 267.39
.35 Departments
Organization, committees, work, methods, etc. For similar aspects of work with boys see 267.357 Boys dept
.351 Business dept .352 Religious dept
.353 Education dept: Including library; for librarian see 267.342
.354 Social dept
.355 Phisical dept
For phisical director see 267.343; see also 613.7 Recreational hygiene and gymnastics
.356 Dept of information, relief, etc.
Boarding house, employment, savings, etc. buros; visitation of sick, aid to destitute, etc.
.357 Boys dept
2–6 may be used like 267.352–.356 for such work in Boys dept; e.g. 267.3575 Phisical work of Boys dept
.359 Janitor's dept: Including safety and police mesures
.36 Work among special classes
Limited to Y.M.C.A.; for other religious societies of men see 267.2
.361 College and school
.362 Railroad employes
.363 Commercial travelers
.364 Foren-speaking
May be divided like 400; e.g. 267.3643 German
.365 Negroes .367 Soldiers
.366 Indians .368 Sailors
.369 Other: police, firemen, fishermen, etc.
.39 History, reports, periodicals, etc.
General and international. For methods see 267.31
.394–.399 Special countries divided like 940–999

.4 Religious societies of women

.43 19th century or later; inter- and undenominational
.432 Women's Christian associations
Divided like 267.3. To shorten the number, W may be used for 267.432 thruout; e. g. W 1 would mean ' Objects, field and extension'
.433 King's daughters
.44 19th century or later; denominational Divided like 282–289

.5 Young Women's Christian associations

Activ membership confined to members of ' evangelic ' churches
Divided like 267.3–.399
To shorten the number Y may be used for 267.5; e. g. Y3, Organization, insted of 267.53

267.6 **Religious societies of young people** For Sunday schools see 268
.61 Interdenominational and undenominational
.613 **Young people's society of Christian endevor**
1 Reports, etc.
2 Periodicals
.62 Denominational Divided like 282–289
.7 **Religious societies of boys** Not Y. M. C. A. Divided like 267.6
.8 **Religious societies of girls** Not Y. W. C. A. Divided like 267.6

268 Sunday schools Religious education

.1 **Establishment Administration**
.12 Constitution Bylaws
.14 Business department
.142 **Finances**
2 Budget
3 Regular subscriptions Sistematic giving Duplex envelop sistem
4 Soliciting Collecting
6 Disbursements
.144 **Printing**
Programs, announcements, school paper, school manual
.145 **Publicity**
Local pres, concerts, posters, invitation cards, 'go to Sunday school' buttons
.146 **Bilding up attendance**
Entertainments: concerts, socials, picnics, Christmas tree
.15 Branches Missions
.2 **Premises Equipment**
.21 Grounds
Site; provision for growth
.22 Bildings
See also 726.4 Architecture; 697 Heating and ventilating; 628,9 Lighting
.23 Plan and arrangement of rooms
.231 **Administrativ rooms and offises**
.232 **Study, lecture and assembly rooms**
.233 **Library and museum**
.234 **Manual work rooms**
.235 **Social rooms**
Parlors, kitchens, pantries etc.
.236 **Gymnasium**
.237 **Sanitation Lavatories**
.239 **Accessories**
Elevators, lifts, telefones etc.
.24 Furnishing Decorating
.241 **Furniture**
Blackboards, desks, chairs, benches, sand tables, book cases, stereopticons maps, globes
.245 **Decoration**
.3 **Personnel**
.32 Trustees Directors
Body responsible for policy, funds, appointments
.33 Administration Supervision
.332 **Pastor Associate pastor**

268.333 Superintendent Associate or assistant superintendents
2 Relation to pastor
3 " " church aims
4 " " congregation
5 " " school
52 Relation as chief executiv
53 " to teachers
54 " " pupils
55 " " Sunday school exercizes
.334 Secretarial force
2 Registrar
3 General secretary
4 Report secretary
5 Custodian of supplies
6 Superintendent of absentees
.335 Treasurer
.336 Librarian
For library see 027.831
.337 Chorister
For music see 783.7
.338 Director of hand work
.339 Other
.34 Committees
Publicity, reception, welcome, evangelism and home cooperation, social life and recreation, special days, music, library
.37 Teachers
.371 Qualifications Personality
.372 Need of training; kind, amount
.373 Examination Certificates
.374 Appointment Organization of teaching force
.376 Promotion Salary Amount of servis
.4 School organization
.42 Membership
.422 Extension department
District plan, permanent visiting committee, house to house visiting
.423 Welcome committee at church servises
.424 Securing new scholars
Members of school bring new scholars
.43 Teaching departments
.432 Children's division
Cradle roll, birth–3 yrs; beginners dep't, 4–5 yrs; primary, 6–8 yrs; junior, 9–12 yrs
.433 Young people's division
Intermediate dep't, 13–14 yrs; senior, 15–17 yrs; young people's, 18–24 yrs
.434 Adult division
Men's dep't; women's dep't; parents training clas
.435 Home departments
Domestics, invalids etc.: i. e. those carrying on regular Sunday school course but prevented from attending
.436 Correspondence courses
.437 Special classes
Army, navy, special types, races, etc.
.44 Grading Graded school
.45 Scholarship records Marking sistem
.46 Examinations Promotions
.47 Certificates Diplomas

268.48 Outside activities
For discussions of relation of Sunday school to church, community, weekday schools, fisical activities, clubs etc.
.5 **Disciplin Incentivs**
.51 Rules
.52 Attendance Tardiness Absence
Help of home influence; invitations and reports to parents. Follow-up cards. Attendance charts
.53 Rewards Inducements
Prizes, decorations. Printed honor roll. Cards to be redeemd with reward. Special holiday or summer plans
.54 Punishment Penalties
.6 Sistems Methods of instruction and study
.61 Lesson sistems
.62 Textbook method Graded subject matter
.63 Lecture method
.635 Visual instruction
2 Stereopticon lantern and slides
3 Motion pictures: travel, missions
4 Pictures
5 Charts
6 Maps
7 Blackboard
.64 Inductiv method
.65 Question and anser method Reviews
.66 Heuristic or source method
Use of Bible, catechism, church doctrin
.67 Dramatic interpretation of Biblical events
See also 244 Religious miscellany; 792.1 Passion plays; 822.1 Erly English drama
.68 Manual work
.682 Note-book work
Copying or original; titles or verses describing pictures; written ansers to questions; historical outlines; thesis work
.683 Geografy work
Maps: line work, map marking, modeling in clay and pulp
.684 Illustrativ work
Picture books; simbolic and descriptiv drawings; sand-table picture work; constructing models of life and customs
.685 Decorativ work
Designing, lettering, illuminating
.687 Museum work
Collecting and constructing illustrativ material
.69 Other
.7 Servises
.72 Order of servises
.73 Music and worship
.75 Rallies
Rally day, children's day, parents' day
.76 Anniversaries Special days and festivals
Christmas, Lent, Easter, Thanksgiving
.77 Vacations
.8 Sunday schools of various denominations
Subdivided like 280

269 Revivals Retreats Parish missions

270 General history of Christian church

Ancient period: to conversion of Germans

See 281.1–281.4, for collected works of early theologic writers, etc. 270 is for religious history of these *periods*
For religious history of special countries, either general or for special periods, see country divisions, 274–279; e. g. English reformation, 274.2

.1 Apostolic Nativity to Constantine

.2 Period of ecumenic councils Centralization 325-787
The Greek church acknowledges these 7 councils as really Ecumenic. Anglicans generally recognize only the first 6. See also 262.5 Polity

.21	First of Nice	A. D. 325
.22	First of Constantinople	381
.23	First of Ephesus	431
.24	Chalcedon	451
.25	Second of Constantinople	553
.26	Third of Constantinople	680–81
.27	Second of Nice	787

Medieval period: Charlemagne to Luther

270.3 Charlemagne Papacy vs empire 787–1054
Church planted among the Germans. Feudalism. Great schism, east *vs* west, 1054

.4 Hildebrand Roman supremacy 1054–1200
Temporal power. Scholasticism. First 3 crusades

.5 Later medieval Renaissance 1200–1517
Innocent 3. Papal schism. Avignon. Nominalism *vs* realism. Greek church under Moslems. Education. Arts. Inventions Pre-reformation

Modern period: Reformation to present

.6 Reformation Counter reformation 1517–1648
Council of Trent, A. D. 1545–63. Diet of Augsburg. Luther. Melancthon. Calvin. Knox. Religious wars. Jesuit missions in east. See also reformation in England, etc. 274.2

.7 Peace of Westphalia to French revolution 1648–1789
Union of church and state. Deism. Materialism

.8 Modern Rationalistic 1789–
Holy alliance. Greek church in Russia. Atheism. Pantheism. Protestant missions

271 Religious orders

Including monasticism, monastic foundations, monasteries
See also 255 Brotherhoods; 726.7 Architecture of monasteries, etc.

.1	Benedictines	founded	529
.12	Cistercians	"	1098
.125	Trappists	"	1150
.13	Olivetans		
.2	Dominicans	"	1170
.3	Franciscans	"	1182
.31	Original order, not divided		
.32	Conventuals		

271.33 Observantines
.34 Récollets
.35 Alcantarines
.36 Capuchins founded 1525
.4 Augustinians " 1256
.5 Jesuits " 1540
.6 Passionists, 1720 Redemptorists, 1732
.7 Lesser Roman orders
.71 Carthusians, founded A. D. 1086
.73 Carmelites 12th century
.75 Sulpicians, 1642
.76 Oblates
.77 Lazarists, 1624
.78 Christian Brothers, 18th century De la Salle
.79 Other lesser Roman orders
.8 Nonroman brotherhoods
Divide like 280 (except 282, which is provided for under 271.1–.7)
.9 Sisterhoods
.91 Sisters of Charity Vincent de Paul founded A. D. 1629
.92 Sisters of Mercy Augustinian " " 1831
.93 Ladies of the Sacred Heart Jesuit " " 1800
.94 Sœurs de bon Secours Nurses
.95 Little Sisters of the Poor
.96 Contemplativ Cloisterd nuns
.97 Other Roman sisterhoods
.971 Carmelites
.972 Second of St Dominic
.973 Franciscans
.974 Ursulines A. D. 1537
.975 Of the Visitation " 1610
.976 Of St Joseph " 1650
.977 Of the Presentation " 1777
.98 Nonroman sisterhoods
Divide like 280 (except 282, which is provided for under 271.91–.97)
.99 Other protestant orders Deaconesses (Kaiserwerth)

272 Persecutions

See also special sects, 280; and history of special countries, 940–999

.1 Apostolic church by imperial Rome 1st–4th century
.2 Heretics by Inquisition or Holy Offis Since 1470
.3 Waldenses and Albigenses 11th–12th century
By Roman church. See also 284.4, Protestant sects
.4 Huguenots French protestants
By Roman church. St Bartholomew, 1572. Edict of Nantes, 1598; revocation 1685
See also 284.5 Protestant sects
.5 Molinists and Quietists
By Roman catholics. Close of 16th century to destruction of Port Royal, A. D 1709. See also 273.7 Heresies

272.6 Marian Anglican reformers by Mary A. D. 1553-58
.7 Elizabethan Later 16th century
Persecution of Roman church by Anglicans
.8 Quakers Baptists Witches Later 17th century
Persecutions by puritans. See also 133.4 Witchcraft
.9 Other persecutions

273 Heresies

For the history of special doctrins see 230-239, Doctrinal theology

.1 Gnostic First 3 centuries
Reaction of pantheism and heathen philosofy on Christianity. See also 189.1 Gnostic philosofy; 186.4 Neo-Platonism; 239.4 Apologetics
.2 Manichæism Parsee dualism 3d century
Opposition of good and evil. Mystic. Ascetic. See also 149.3 Mysticism; 248 Asceticism; 289.8 Shakers, Mystics
.3 Sabellian
That the Trinity is not of persons, but of successiv manifestations. About 250 A. D.
.4 Arian Denying divinity of Christ 4th century
.5 Pelagian 5th century
Denying original sin and supernatural grace
.6 Antinomian 16th century
Denying force of law, under Gospel dispensation
.7 Molinist and Jansenist Pietists A. D. 1580-1700
Port Royal. Augustine's doctrin of grace *vs* the Roman doctrin of good works
.8 Agnostic
Denying possibility of revelation. Holding that theology and the supernatural lie outside the domain of human knowledge. See also 149.7 Philosofy; 211 Atheism; 239 Apologetics
.9 Minor heresies

274-279 General church history by countries

274-279 is divided geograficly like 940-999

280 Christian churches and sects

281.1-289.8 may be subdivided where needed like 940-999

281 Primitiv and Oriental churches

See also 270.1-270.3, Early religious history

.1 Apostolic church, to time of great schism, A. D. 1054
Works of apostolic and Christian fathers here; use 270 for religious history of these periods. See also 229.9 Apocryphal books
.2 Primitiv apostolic, to end of first century
.3 Ante-Nicene, A. D. 100-325 See also 270.1
.4 Post-Nicene, A. D. 325-1054 See also 270.2-.3
.5 Oriental churches
.6 Monophysite Eutychian
.62 Armenian
.63 Jacobite
.7 Coptic Abyssinian
.8 Nonmonophysite Nestorian
.9 Eastern or Greco-Russian or Holy orthodox church
The great schism, mutual excommunication, A. D. 1054, separates the Catholic church into Eastern and Western churches, which from this time have separate histories

282 Western or Roman catholic church
Divided geograficly like 940–999

283 Anglican and American P. E. church
Divided geograficly, when needed, like 940–999; e. g. the Anglican church in Australia is 283.94; in India, 283.54

284 Continental protestant sects Protestantism
.1 Lutheran
.2 Calvinist Zwinglian Reformd See also 285 and 286.1
.3 Hussites Anabaptists Leyden See 286.1
.4 Albigenses Waldenses Vaudois See 272.3
.5 Huguenots See 272.4
.6 Moravian
.7 Scandinavian Swedish
.8 Modern schisms in Catholic church
.81 Old catholic
Here ar clast those denying papal infallibility, or for other cause cut off from Rome, tho catholic in other respects
.82 Gallican schismatics Constitutional church
.83 Little church of France
Those who do not recognize the concordat (anti-concordataires)
.84 Jansenists
See also 273.7 Jansenist heresy
.9 Other

285 Presbyterian Reformd Congregational
Next 2 subdivisions are sectarian, not geografic
.1 Presbyterian church in America
Subdivided geograficly; e. g. 285.173 Presbyterian church in United States 285.175 Southern presbyterian church
.2 Presbyterian church in Great Britain
.3 Cumberland presbyterian
.4 United presbyterian
.5 Reformd presbyterian
.6 Minor presbyterian sects
.7 Reformd (Dutch) church in America e. g. 285.77471, in N. Y. city
.8 Congregational
.9 Puritanism

286 Baptist Immersionist
.1 Calvinistic or Regular
Including Arminian or general baptists, reunited with Calvinistic in 1891
.2 Free wil
.3 Seventh day
.4 Old school (Primitiv, Antimission or Hardshel)
.5 Other baptist sects
May be clast if preferd with any of the larger sects which they most closely resemble or of which they ar offshoots
.6 Disciples (Campbellite or Christian)
.7 Adventists
.9 Other immersionists

287 Methodist
.1 Wesleyan methodist
.2 Calvinistic methodist
.3 Welsh Calvinistic methodist
.4 Primitiv methodist
.5 Primitiv Wesleyan
.6 Methodist episcopal
.7 Methodist protestant
.8 African methodist
.9 Minor methodist sects

288 Unitarian Socinian Antitrinitarian
See also 273.4

289 Other Christian sects
.1 Universalist
.2
.3 Mormon
.4 New church or Swedenborgian
.5 Christian science
.6 Quaker Friends Hicksites
.7 Mennonite
.8 Shaker Mystic For Mystic heresy see 273.2
.9 Other Christian sects

290 Nonchristian religions

Including comparativ religion and general histories of religion where an equal or minor place is given to Christianity

291 Religious topics of general nature Comparativ mythology

Subdivisions given below ar for general works on these topics. Material relating to a special religion should generally be clast with that religion

.1 General ideas
.12 Religious emotions
Awe, veneration, submission, confidence, love, etc. See also 157 Emotions, in psychology
.13 Comparativ mythology
The myth: its constituent elements, growth and changes in form
.14 Clasification of religions
Monotheistic, polytheistic, mystic, reveald, etc.
.15 Genealogic connection between religions
.16 Attitude of religions to each other Tolerance
.17 Relations between religion and science, art and morals
.2 Religious doctrins Dogmas Theology
.21 Divinities
Object of religion. Worship of various divinities. Special myths. Functions of gods. Worlds of gods and spirits.
.211 Animism, spiritism, fetishism, totemism, polydemonism

291.212 **Naturism**
Adoration of the forces of nature and personified objects and phenomena. Nature myth
1 Mountains and rocks (litholatry)
2 Water (hydrolatry)
3 Plants and trees (dendrolatry)
4 Animals: dog, crocodile, serpent, birds (zoolatry)
5 Atmosferic fenomena: atmosfere, rain, clouds, winds, lightning, thunder etc. (meteorolatry)
6 Fire (pyrolatry)
7 Celestial bodies: sun, moon, stars etc. (astrolatry)
8 Sky and earth (ouranolatry and chthonism)
.213 **Worship of human beings (apotheosis)**
Demi-gods, heroes, saints, absolute monarchs
4 Worship of ancestors
Domestic worship, manes, lares, penates
5 Worship of the ded (necrolatry)
.214 **Gods**
Personified abstractions and divinities considerd as pure spirit
.215 **Hierarchy of gods**
Servants and messengers of divinity
.216 **Demons and evil spirits**
.217 **Strife among the gods and between gods and men**
.218 **Images of divinity Idolatry**
.3 **Forms of worship Religious practises**
Liturgy, etc.
.35 Sacred places
Holy places, altars, temples, pagodas, woods and groves, sacred grottos and streams, holy cities and villages
See also 726 Religious architecture
.37 Symbolism
General and nonchristian
.6 **Religious organization Sacred persons Religious men**
.61 Representativs of divinity
Incarnation, priesthood, priests. Ministers of worship and other mediators. Recruiting of the clergy. Types of priests. Theocracy, hierarchy. Messiah
.62 Men endowed with supernatural power
Thaumaturgists, sorcerers, magicians, exorcists, charlatans. Relation between priesthood and sorcery
.63 Divinely inspired men Profets
.64 Interpreters of divinity
Revelation of truth and of divine wil. Sacred writers. Religious law givers, founders of religions, religious reformers and apostles
.7 **Deeds inspired by religious motivs**
Religious wars, warlike or peaceful propagandism (see also 172.4 Peace and war, in ethics). Home and foren missions
.8 **Sources of religion**
Sacred books; oral traditions; ecclesiastic decisions

292 Greek and Roman religion and mythology

293 Teutonic and Northern religion and mythology

294 Brahmanism Buddhism

Also religions derived from them. For other Indic religions, see 299.11. See also 891.2 Sanskrit literature; 177.5 Caste

.1 Vedic religion

.2 Prebuddhic Brahmanism

.3 Buddhism

.31 Buddhism of the south

.32 Buddhism of the north Lamaism

.4 Jainism Sect of Jainas

.5 Hinduism

Changes introduced into Brahmanism during and after struggle with Buddhism

.55 Various sects of Hinduism

.551 Cakta sect Worship of the Caktis

.552 Brahmo Somaj sect

.553 Sikhism

295 Parseeism Zoroastrianism Mazdaism Mithraism

For other Iranic religions, see 299.15. See also 891.52 Zend literature

296 Judaism For other Semitic religions, see 299.2

297 Mohammedanism

298

299 Other nonchristian religions

Subdivided ethnicly like 491–499; e. g. Egyptian religion, 299.31; Afghani religion, 299.158

Social Sciences

300 Social sciences Sociology in general

301–309 all hav Sociology in general as their subject, but it is treated in these various forms. A periodical on Education is 370.5, not 305, which is only for periodicals on Sociology in general. In Sociology, most works in these forms ar limited to one division; e. g. to Political economy, Education, Law, etc. All these hav the same subdivision of General works; i. e. essays on the various divisions ar 310.4, 320.4, 330.4, and so on to essays on Manners and Customs in general, 390.4. A naught in any clas number shows the subject to be general, not specific

301 Sociology: philosofy, theories

See also 901 Philosofy of history; 320.1 Theory of state

.1 **General conception**

Nature and caracter, definition, limits and extent

.15 Social psychology

Individual and group interstimulation, institutions as cultural stimuli, social forces and responses, collectivistic mentality, complex behavior. See also 136.27 Social influences on mental characteristics, 390 Custom, fashion, conventionality

.151 Psicologic background

Considerd with relation to social science. Instincts, emotions, intelligence, imitation, suggestion, etc. Divided like 150, e.g. 301.1517 Emotions

.152 Group unity and continuity

2 **Group morale**

Coordination, group loyalties, etc. See also 320.158 Political loyalty, patriotism

3 **Group or social control**

Social pressure, control exerted by groups, propaganda; for police control of groups sce 351.752. See also 323.4 Individual rights

.153 Group activities and changes

2 **Conflict**

Interference, opposition, discussion. See also 323.2 Revolutions, riots, etc.

3 **Compromize**

Modification, accommodation

4 **Assimilation**

5 **Social or institutional progress**

Socialization, culturalization, culture, reform, social ideals

6 **Disintegration**

Maladjustment, reversion, decadence

.154 Public or group opinion

.155 Leadership and prestige

.158 Special groups

2 **Crowds Mobs**

See also 323.2 Revolutions, riots, etc.

3 **Assemblies**

Meetings, committees, audiences, etc.

4 **Youth**

See also 369.4 General young people's societies

302 Compends, outlines
303 Dictionaries, cyclopedias, etc.
304 Essays, lectures, addresses
305 Periodicals, magazines, reviews
306 Societies: transactions, reports
307 Study and teaching See also 370 Education

308 Polygrafy: collected works, extracts, etc
Put here collected works of statesmen; e. g. works of Adams, Jefferson, etc.

309 History of social science
.1 **Social surveys**
Divided like 930-999 and including general works on social conditions in special countries. May, if preferd, be clast in 913-919 or, if strongly historical, in 930-999. For general histories of civilization see 901

310 Statistics

311 Theory, methods Science of statistics
.2 **Methods, procedure, technic Preparation of statistics**
.21 General questions
.22 Collecting
.23 Analysis Testing Verifying
.24 Arrangement Clasification Tabulation
.25 Correlation
.26 Forms of presentation
Diagrams and cartograms; grafs; frequency tables; index numbers
.3 **Organization and direction of official statistics**
.39 By country
Subdivided like 930-999
.4 **Organization and direction of unofficial statistics**

312 Demografy Population

Distribution and progress of population. General enumeration and census. Vital statistics (may be clast here or under 614.1 Public helth, as preferd). See also 323.3 Social classes, 325 Migration, colonization, 364.42 Crime prevention by control of population

.1 Births and birth rates Natality

Fecundity and sterility (see also 612.663 Phisiology of fecundity, 616.69 Functional diseases of male generativ organs, 618.17 Gynecology). Limitation of birth rate, Malthusianism, etc. (For birth control see also 173.3 Ethics, 612.63 Phisiology, 613.94 Eugenics). Illegitimacy (see also 347.6 Family law, 362.72 Child care)

.2 Deths and deth rates Mortality

Stilbirths (see also 618.39 Pregnancy); infant mortality; longevity (see also 612.68 Phisiology of longevity). Mortality from special causes: disease, accidents, murder, suicide, etc. Mortality and survival tables; determination of mortality rates (see also 368.31 Life insurance, 519.5 Life contingencies)

.3 Sickness and sick rates Morbidity

Incidence of disease. See also 616–618 Pathology

.5 Marriages and marriage rates

Celibacy, proportion of unmarrid persons. Separation, divorce (see also 173.1 Family ethics). See also 392.5 Marriage customs

.6 Phisical condition of population

Somatologic statistics: stature, helth, phisical infirmities, etc. See also 572 Ethnology, 573 Somatology

.7 Moral condition of population

See also 170 Ethics, 364 Criminology

.8 Progress of population

Population changes: increase, overpopulation; decrease, depopulation

.9 Distribution and composition of population

According to origin or nationality, sex, residence, language or race, age, occupation, social status, education, religion, etc.

313 Special topics

May be divided like the whole classification. But see note under 314–319 below

314-319 General statistics

Divided geograficly like 940–999

The statistics of any special matter ar put with the subject, e. g. of Domestic animals in 636, of Shorthand in 653, of French novels in 843, of Theaters in 792, etc. Statistics too general to be included in any topic ar divided by countries. Statistics of New York city would be 317.471, but the statistics of Medicin in New York would be put with 610 Medicin; i. e. the topic outranks the locality

320 Political science

.1 Theory
- .11 Origin of the state
- .12 Nation and territory
  - .121 Ethnografic
    - People of same race comprise the nation
  - .124 Geografic
    - Unity of territory
  - .126 Expansion Acquisition of territory
    - 1 By discovery
    - 3 " occupation and possession
    - 5 " cession Annexation
    - 7 " purchase or exchange
    - 9 " conquest or revolution
  - .127 Alienation of territory
  - .128 Frontiers Boundaries
    - 1 Natural boundaries
      - 2 Mountains
      - 4 Rivers
      - 6 Lakes
      - 8 Coast
    - 9 Artificial boundaries
- .15 Nature, entity, concept of the state
  - .151 Juridic theory
  - .152 Political theory
  - .153 Social and evolutionary theories
  - .154 The state as a moral organism
  - .157 Soverenty
    - See also 341 International law
  - .158 Allegiance Loyalty, etc. Patriotism
    - See also state ethics 172.1 Duties of citizens
  - .159 National growth and decay
- .18 Symbolism, emblems: arms, flag, seal, etc.
  - Better clast in 929.8 and 929.9 Heraldry

.2 Compends, statecraft
.3 Dictionaries
.4 Essays
.5 Periodicals
.6 Societies
.7 Education
.8 Polygrafy
.9 History of political science, divided like 930–999

321 Form of state

- .01 Simple state Soveren state
- .02 Mixt state
  - .021 Federal state Bundestaat Federation
  - .022 Confederation of states Staatenbund
    - Union of soveren states Alliance

321.023 Suzerain states
.025 Semisoveren, dependent and vassal states
.026 Mediatized state
.027 Protected state
Protectorates, spheres of influence
.028 Vassal states
.03 **Empire, imperialism**
.04 **World state**
.041 Internationalism
.07 **Ideal state Utopias**
See also 335 Communism and socialism
.09 **Change of form of state**
.092 Revolution
.094 Coups d'état
.1 **Family Patriarchal age**
.2 **Tribes Clans Marks Village communities**
See also 333.2 Community ownership of land
.3 **Feudalism**
.4 **Democracy** Pure; e. g. Athens, town meeting
.5 **Aristocracy** e. g. Italian republic; medieval German cities
.6 **Absolutism** Absolute monarchy, dictatorship
.7 **Constitutional monarchy**
.8 **Republic** Modern democracy, delegated powers

322 Church and state

See also 172.3, State ethics; 261.7, The church
Political aspects of combination or separation of state and church affairs

323 Internal relations with groups and individuals

.1 **Movement and questions of nationalities, races and languages**
Divided by country like 930–999; e. g. struggle of nationalities in Austria 323.1436
For immigrant nationalities in a country see 325
.2 **Political struggles and troubles**
Revolutions, revolts; riots, uprisings. See also 321.09
.3 **Social groups**
Classes, orders, estates
.31 Nobility, aristocracy; welthy clas
.32 Middle clas, bourgeoisie
.33 Proletariat, laboring classes, pesantry
See also political economy, 331.8 Laboring classes
.34 Serfs Villenage See 326.3 Serfs and serfdom
.35 Communities
.352 Urban .354 Rural
.353 Suburban See also 630.1 Rural life. Clas in 323.354 material dealing with community life in rural sections, in 630.1 material dealing with life and interests of individuals and families
.4 **The state and the individual**
Natural rights, individual rights, individualism
.41 Equality of individuals, races, etc.
.42 Equality before the law; justis, etc.
.43 Life
.44 Liberty
.441 Freedom of action

323.442 Freedom of conscience
.443 " " speech
.444 Academic freedom See 378.121 Freedom of teaching
.445 Freedom of the press
See also Journalism 070.13; Administration 351.751
.446 Freedom of drama
.447 " " art
.45 Family
.46 Property
.47 Right of assembly, association
.48 Right of petition
.49 Limitation and suspension of individual rights and guaranties
.491 Martial law
.492 State of siege
.6 Citizenship
.61 Laws Divided by country like 930–999
.62 Naturalization
.63 Alien races and citizenship
.64 Loss and restoration of citizenship
.65 Duties and obligations of citizens
Scholar as citizen
.67 Rights of aliens
.68 Eligibility to offis

324 Suffrage Elections

.1 Qualifications, conditions and bases
For sex see 324.3 Woman suffrage
.11 Age
.13 Property
Household suffrage
.14 Education Competency Capacity
.15 Nationality Race Religion
.16 Residence, domicil
Length of residence
.162 Voting by soldiers
.164 " " students
.17 Exclusion from and suspension of suffrage
.171 Incompetency, incapacity
Insane, idiots See also 324.14
.172 Bankruptcy
.173 Pauperism
.174 Conviction of crime; bribery, selling vote
.177 Government servis
Military servis: soldiers and sailors
Civil servis, police offisers
.178 Other special classes
Students, domestic servants, etc.
.2 Forms of suffrage Systems Voting, etc.
.21 Electoral systems
.211 Universal suffrage
.212 Partial suffrage, limited
.213 Plural vote

324.214 Clas vote, clas system
.215 Compulsory voting
.216 Short ballot
Aiming to reduce number of electiv offises
.22 Constituencies and representation of interests
.221 Single member constituency
Scrutin d'arrondissement
.222 Multimember constituency
Scrutin de liste, block vote, general ticket
.223 Minority representation
Single vote, limited vote, cumulativ vote, proxy system
.224 Proportional representation
Preferential: alternativ, contingent, transferable vote. Quota: simple Droop, d'Hondt, substitute or Gove method. Graduated system. List system. For second ballot see 324.248
.227 Economic and social groups
.23 Selection of candidates
Declaration and presentation of candidacy
.231 Nomination of candidate
.233 Party organization Conferences
.235 Caucus primary
.237 Direct "
.239 Platform
.24 Voting procedure
.241 Electoral lists: formation, revision
.242 Registration system
Poll lists and tally sheets
.243 Jurisdiction Examination of credentials
Appeal, petition
.244 Open voting
.245 Secret ballot
.246 Voting place
.247 Absent voting Voting by mail
Traveling salesmen, railway employees, mail clerks etc.
.248 Second ballot
.249 Indirect voting Electoral college
.25 Ballot
.251 Unofficial
.252 Official
.253 Party ballots
.254 Blanket ballots
.255 Party colums
.256 Offis groups Australian ballot
.257
.258 Voting machines
.26 Results and announcements
Inspectors of election, meeting, etc.
.261 Count of ballot
.262 Majority elects Absolute majority
.263 Plurality " Relativ majority
.268 Announcement of vote

324.27 Corruption Electoral fraud

.271 Bribery and undue influence: intimidation, selling votes

.272 Fraud in voting: personation, repeating, illegal voting, colonizing

.273 Election contributions and expenditures

Limitations on expenditures; publicity. Restriction on contributions; political assessments

.274

.275 Fraud in counting

Miscount of ballots; certification of false returns

.276

.277 Election contests

.28 Suffrage reform

.3 Woman suffrage

.4-.9 Suffrage by country

Divided like 940-999

325 Migration Colonization

See also 312 Demografy, 364.42 Crime prevention by control of immigration and emigration, 572.3 Migration in Ethnology. For complete list of form divisions see Table 2 following Relativ index

.1 Immigration Immigrants

Under following subdivisions clas material dealing with special features of human migration in general, as wel as with immigration. For immigration to a special country see 325.4-.9. See also 323.6 Citizenship, 364.256 Immigration and crime

.11 General questions

.12 Types of migration

Intercontinental, interracial; international, internal; from country to city, rural depopulation; from city to country, rural rehabilitation. Permanent, temporary, seasonal. Individual or family; collectiv, transfer of populations, group migration. Voluntary; involuntary, exiles, refugees, deported prisoners of war, deported criminals; etc.

.13 Causes Purpose

Phisiografic; climatic; economic, food supplies, commercial relations, overpopulation; political; religious; social; hostil invasions, conquests; disasters, fires, epidemics, floods, etc.

.14 Effects of immigration

On immigrant, on country of settlement. See also 325.314 Effect of colonization on country colonized

.15 Regulation Control

For general discussions of immigration and the state, official organization of immigrant service and official treatment of immigrants. For official immigration buros and departments use 325.1061

.152 Inspection Registration

.153 Fees, capitation, hed tax, etc.

325.154 Restriction Exclusion Selection

Quota system, etc. Tests and bases of exclusion or selection; deportation

.16 Promotion and assistance Protection Abuses

Information, sanitary and medical services; exploitation. For manuals of general information needed by immigrants use 325.102, for commercial immigration agencies use 325.1065. See also 360 Welfare associations, 614.86 Protection of travelers

.17 Distribution Transportation

Migration routes, natural aids and barriers to migratory movements. Control of distribution, official or unofficial. Means of distribution

.18 Assimilation of immigrants Amalgamation

For assimilation in special countries see 325.4–.9, e.g. 325.73 Americanization. See also 323.62 Naturalization

.19 Other topics

.2 Emigration Emigrants

Divided only geografically by country of origin like 930–999, thus bringing together material on emigrants of a special country or race, e.g. Chinese emigrants 325.251. May be further subdivided after 09 by country of settlement, e.g. Chinese emigrants in Mexico 325.2510972. Material on emigrants is usually most important in respect to country of origin, so is best clast in 325.2. Most libraries wil hav little except on immigrants to their own country, hence in United States 325.2 wil relate almost wholly to specific nationalities in United States, e.g. 325.26 Negro question. For immigrants in a special country irrespectiv of origin see 325.4–.9

.21 General questions

May be divided like 325.1 (see examples below). For types of migration see 325.12; for causes see 325.13

.214 Effects of emigration

On country of origin; for effects on emigrant and on country of settlement see 325.14

.215 Regulation Control Restriction

Emigration and the state. For official emigration buros and departments use 325.2061

.216 Promotion and assistance Protection Abuses

For commercial emigration agencies use 325.2065, manuals of general information needed by emigrants 325.202. See also 325.102 for manuals for immigrants

.3 Colonization Colonies

Activ promotion and establishment of colonies or settlement of foren possessions, also discussions of special aspects of groups of colonies. Divided only geografically by mother country like 930–999, e.g. 325.342 British colonies. This brings together colonies planted by a special country. May be further subdivided after 09 by country of settlement, e.g. 325.342096 British colonies in Africa. For colonies in a special country irrespectiv of origin see 325.4–.9

325.31 General questions

For types of migration see 325.12; for causes see 325.13

.312 Types of colonies

Colonies of migration, 'swarm colonies'; colonies of expansion; economic colonies, commercial settlements, concessions, establisht by government or by private enterprize, proprietary colonies; colonies of exploitation, governmental or private; military colonies, strategic posts; protectorates, dependencies, mandates, spheres of influence (see also 321.027 Form of state); penal colonies, etc.

.314 Effects of colonization

On mother country, on country colonized. For effects on colonist see 325.14

.315 Organization Administration

Acquisition and settlement (see also 320.126 National expansion). Relations with nativ races; nativ autonomy, chieftainships, nativ councils. Public domain, administration of vacant lands. Types of colonial government

.316 Promotion and assistance Abuses

For official colonization buros and departments use 325.3061; for commercial colonization agencies use 325.3065

.317 Colonial empire Colonial federation

Imperialism; see also 321.03 Form of state

.4–.9 in special countries

Both immigration and colonization divided like 940–999 by country of settlement; e.g. 325.73 Foren population of United States; Americanization (see also 331.86 Industrial nationalization). For ancient countries 325.093 may be used, e.g. 325.0938 Immigration and colonization in ancient Greece. For source of immigration see 325.2, of colonization 325.3

326 Slavery Serfdom Emancipation

See also 973.7 Civil war; 371.974 Education of freedmen

.1 Slave trade

.2 Coolies and contract slaves

.3 Serfs and serfdom

.4 Antislavery documents

.5 " periodicals

.6 " societies

.7 Proslavery

.8 Emancipation and freedom

.9 History of slavery Divided geograficly like 930–999

.92 Biografy of slaves

327 Foren relations

Divided like 930–999. May be further subdivided after 09 (~~for England and U. S.~~) ~~or 09~~ (~~for all other countries~~) by a second country; ~~e.g. 327.4209044 Foren relations of U. S. with France, 327.4209044 Foren relations of England with France~~

328 Legislation Lawmaking Legislativ bodies

Legislativ annals

.1 Parliamentary law

328.2 **Legislation**
.21 Interpretation of law
.22 Uniform laws
Uniformity of law on same subject in different states or countries
.23 Codification
.24 Policy Tendencies
.241 Overlegislation
.243 Special legislation For private and local bills see 328.378
.25 Legislativ powers
.251 Juridic "
.252 Executiv "
.253 Implied "
.256 Restrictions and checks on legislation See also 328.349
.26 Direct legislation
.261 Initiativ
Voters by petition originate legislation
.264 Referendum
.27–.29 Subjects of legislativ action Divided like 351.7–351.9
.3 **Legislatures**

Summary

328.3 Legislatures
.31 Upper house
.32 Lower "
.33 Membership Election
.34 Prerogativs and powers
.35 Sessions
.36 Internal organization and disciplin
.37 Legislativ procedure
.39 Form of legislature

.31 Upper house
.32 Lower "
.33 Membership Election
.331 Conditions of membership, eligibility
Age, residence, property Membership without voting power
.332 **Exofficio members**
1 Cabinet and government offisers
2 Expresidents
3 Other exoffisers
4 Clergy, bishops
.333 Compensation
Annual salaries, per diem payment. Milage, traveling expenses. Special sessions. See also 328.347 Privileges
.334 Representation
1 **of states**
2 **territories**
3 **colonies and dependencies**
4 **classes**
Universities, landowners, Irish and Scotch peers
5 **election districts Apportionment**
Equalization of representation; unfair apportionment; 'rotten boros'; reapportionment
6 **Gerrymandering**
9 **Number of members**

328.335 Methods of appointment Election
1 **Appointment by government or crown**
For life or for a term
2 **Hereditary right**
3
4
5 **Election by direct vote: plurality or majority**
6 **Length of term**
Entire or partial renewal of membership; holdover member
7 **Vacancies, resignations**
Method of filling vacancies; special elections
8 **Contested elections**
.338 Official membership lists, directories
.339 Unofficial lists or directories
.34 Prerogativs and powers Restrictions
.341 Power over revenue and appropriation
.342 " to judge of elections
.343 " over members
Power to investigate or punish members
.344 Power of expulsion
.345 " over nonmembers
Power of investigation for impeachment, see 351.96–.99
" to imprison citizens
.346 Treatymaking power
.347 Privileges
Franking privilege, postage and stationery; railroad passes; free distribution of books
.348 Immunities
From arrest
.349 Restriction
Offisholding Instructions by electors
Direct mandate See also 328.26 Direct legislation
.35 Sessions
.351 Method of summoning
Parliamentary writ
.352 Date of session
Fixt or movable
.353 Frequency of sessions
Annual, biennial, quadrennial
.354 Length of session Life of legislature
.355 Recess
.356 Adjournment Prorogation Dissolution
.357 Executiv session: procedure
.358 Special session Extra session

328.36 Internal organization and disciplin
Verification of powers, credentials
.361 Oath of offis
.362 Offisers: appointment, election
1 **Presiding offiser, speaker**
2 **President protem**
3 **Secretaries, clerks**
Bill clerk Enrolling, engrossing clerks
4 **Sergeant at arms**
5 **Pages, messengers, door keepers**
6 **Payment of employees: gratuities, fees, extra pay**
Unnecessary attendants
7 **Committees**
Standing, special, joint
8 **Special commissions**
For investigation, not administrativ commissions
.363 Records
.364 Supplies: daily papers, postage stamps
Telegraf and telefone bills
.365
.366 Disciplin: suspension, investigation
.367 Bribery Illegal practises
Graft bills, blackmail
.368 Lobbying
Including that by heds of depts and institutions
.37 Legislativ procedure
.371 Rules, manuals
See 08 under 328.4–.9 divided by country
.372 Petition, addresses
Parliamentary inquiries, commissions
Recommendations from executiv
.373 Bills
Technic: bill drafting, introduction
Printing, enrolling, engrossing
.374 **Action by legislature before passage**
1 Readings: 1st, 2d
2 Reference to committees
Committee work or procedure: investigation, hearings, conferences
3 3d reading
4 Contest over passage
5 Party caucuses, logrolling
.375 **Final passage**
Rules committee, 'lifting' committee, 'steering' committee
Vote: viva voce, by roll call; by ballot; obligation of voting in person, pairing
Required majority. Veto, see 353.03
Passing over veto. Bills left in hands of executiv: 30 day bills, pocket veto
Bills which become law without executiv action
.376 **Special bills**
Financial, omnibus riders
.377 Joint resolutions
.378 Local and private legislation
.379 Procedure in special cases
1 **Impeachment**

328.39 Form of legislature
.391 One chamber
.392 Two chambers
See also 328.31 Upper chamber; 328.32 Lower chamber
.393 Other forms
.394 Reform
.395 Abolition
.4–.9 **Of special countries**
Divided by countries like 940–999, and under each, works may be divided: 01 Jurnals, 02 Debates, 03 Abstracts, 04 Documents, 05 Rules, 08 Legislativ manuals, 09 History of bodies, but it is recommended that American libraries make an exception for U S and states of U S, by omitting 0 and using, for example, 328.739 History of U S congress, 328.7478 N Y State legislativ manual. For foren countries the 0 is in some cases needed (and it is therefore recommended for uniform use and to prevent possible future, if not present, conflict) because of otherwize conflicting numbers; e. g. unless 0 is used 328.469 might mean either a general work on lawmaking body of Portugal or a history of the lawmaking body of Spain

329 Political parties Party conventions

329.01 U. S. presidential campain documents of all parties, arranged by campains

.1 **Federal**
.2 **Anti-Federal**
.3 **Democratic**
.4 **Whig**
.5 **American Knownothing**
.6 **Republican**
.7
.8 **Minor parties**
.81 Prohibition, see also 178.5 Ethics; .82 Greenback, see also 332.52 Paper money; .83 Woman suffrage, see also 324.3 Woman suffrage; .84 People's; 85 Labor see also 331.8 Laboring classes
.9 **Parties in other countries** Divided geograficly like 940–999

330 Economics Political economy

Science of welth. For ful list of form divisions see Table 2 after Relativ index

SUMMARY

331 Labor and laborers
332 Financial economics
333 Land Natural resources
334 Cooperation
335 Socialism Collectivism
336 Public finance
337 Tarif policy Protection and free trade
338 Production Economic organization
339 Capital Distribution and consumption of welth

.1 Theory
.11 General conception
Economic psicology, needs, personal interest
.15 Economic systems Capitalism
For socialism see 335
.151 Mercantilism
Balance of bargain, balance of trade theories; bullionism, cameralism
.152 Phisiocracy
Rule of nature, agricultural system
.153 Classicism Individualism
Laissez faire; Manchester school; neoclassicism, Cambridge or Marshallian economics
.154 Historical school
German revolt against classicism
.155 Universalism Neoliberalism
Romantic and institutional schools
.16 Miscellaneous theories
.161 Theories of welth
Economic goods, services
.162 Theories of value and utility
Labor-cost theory; marginal utility theory, Austrian or psicologic school; service theory. See also 338.5 Prices
.18 Economic methods
.182 Mathematical methods
Mathematical school
.19 Relations to other subjects
May be divided like the whole classification; e.g. 330.196 Tecnocracy

330.9 History of economy divided like 940-999

331 Labor and laborers

Employers and capital in relation to labor. For economics of Capital see 339; for industrial personnel management see 658.3. See also Capital in Relativ index following Tables. For complete list of form divisions see Table 2 after Relativ index

SUMMARY

331.1 Relations of capital and labor
.2 Remuneration for work
.3 Labor of children
.4 " " women
.5 Work under certain unfavorable conditions
.6 Pauper labor Cheap foren labor
.7 Different classes of workers Skild and unskild labor
.8 Laboring classes: working conditions, organization, etc.
.9 Other questions

.01 Theory

.011 General conception Nature and character of labor
Freedom of labor, psicology of labor. See also 150 Psicology

.013 Importance, utility, dignity of labor

.016 Miscellaneous theories
Commodity, humanistic, etc. theories

.1 Relations of capital and labor

.11 Labor contracts in general Employment (i.e. engaging workers)

Agreements, recruitment, responsibilities. See also 651.34 Office workers

.112 Labor supply Agencies

For immigration and colonization see 325; see also 331.1151 Employment buros

.113 Classification of work and workers

Direct and indirect; race adaptability; age (see also 331.3 Labor of children); sex (see also 331.4 Labor of women); abnormal, unfortunate: apprentice, handicapt, etc. (See also 331.5 Work under certain unfavorable conditions); aliens (see also 331.62 Cheap foren labor)

.114 Equipment of workers

Mental and phisical qualifications. Personality, character, natural ability, general and professional or tecnical education, experience, tastes, helth, etc.

.115 Selecting workers

Applications; references (see also 331.123 Service records, testimonials); interviews; character analisis; tests: mental (see also 151.2 Psicologic tests), trade, etc.

1 Securing applicants

Employment buros or agencies, labor exchanges; advertizing for workers. For general labor supply agencies see 331.112

.116 Engaging workers

Bargaining: individual, collectiv

331.12 Department organization

.123 Service records Testimonials

See also 331.115 References

.124 Staf Grades Titles and duties

Officers; employes: clerks, stenografers, laborers, etc. Material on positions more prominently provided for elsewhere is better clast under the other number, e.g. bookkeepers 657

.125 Labor maintenance

Follow-up, transfers, promotions, rating of workers

.126 Turnover

Causes, calculations, cost, statistics

.13 Termination of labor Unemployment Reemployment

Causes of termination, warnings, indemnities; cancelation of contract: by employer, layoff, discharge; by employe, quit (see also 331.892 Strikes)

.137 Unemployment

Causes, effects, distribution and incidence. Reduction of unemployment rolls without reemployment; elimination of least fit, advancement of retirement age (see also 331.2544 Social insurance); elimination of young people, prolongation of schooling (see also 331.3 Child labor); elimination of women, back to the home movement (see also 331.4 Labor of women). Irregular or seasonal employment, underemployment. See also 364.26 Unemployment and crime

7 **Unemployment relief**

Financial aid; aid thru necessaries; furnishing worthwhile employment for idle time, e.g. recreational, educational, etc.; struggle against demoralization and vagabondage of unemployd. See also 331.61 Aid to paupers by furnishing work

8 **By industry**

82-899 may be divided like 620–699 with 81 divided like the whole classification for other industries; e.g. 331.137822 Unemployment in mining, 331.1378177 Unemployment in photografy

9 **By country**

Divided like 930–999, e.g. 331.137972 Unemployment in Mexico

.138 Reemployment

.14 Rules for workshop and office employes Incentivs Disciplin

Conversation; personal calls or work; soliciting money, subscriptions, contributions; respect and care for property (tools, etc.); personal appearance, dres, uniforms; courtesy, indifference; suggestion systems; fines, stoppage of privileges or wages (for general question see 331.212). See also 331.9 Encouragements to work, offerd by government, etc., medals, decorations, rewards to workers

331.15 Labor relations within the plant

Prevention and peaceful settlement of differences. See also 331.89 Disagreements between capital and labor

.151 General questions

.152 Cooperativ management Industrial democracy Representation in industry

Joint board of control, works council, works or shop committees, company unions. See also 335.82 Syndicalism, corporatism

.153 Conciliation

.154 Mediation

Official or unofficial

.155 Arbitration

See also 338.91 Industrial parliamentarism

.156 Joint conferences

.157 Trade agreements

.158 Investigation

.159 Other topics

.16 Jurisdiction over work Industrial and professional tribunals

.17 Patronal institutions favoring the personnel

Clas here only general works, either on patronal institutions as a whole, or on such institutions as a whole of the same establishment. Clas publications on an individual patronal institution in the number for such institution. Funds for pensions and for aid in general; employe stockownership. Patronal institutions in special industries. See also 331.23 Payment in shares, 331.24 Profitsharing

.18 Relations of capital and labor by industry

.182–.1899 may be divided like 620–699 with .181 divided like the whole classification for other industries; e.g. 331.1822 Relations of capital and labor in mining, 331.18177 in photografy

.19 By country

Divided like 930–999, e.g. 331.1972 Relations of capital and labor in Mexico

.2 Remuneration for work

Wages, hire, pay, salary. See also 364.26 Wages and crime, 651.38 Salary, etc. in office economy

.21 General questions

.211 Payment of wages

Payrolls; mode, place, time or frequency of payment, etc.

.212 Stoppage Deduction Withholding

See also 331.14 Disciplin by wage stoppage

.213 Preferd claims for wages due

331.214 Wage theories

Statistical data: collection, compilation, use, value, etc. as bases for theoretic study of wages. Wage fund doctrin, residual claimant theory, normal value or exchange theory. See also 331.215 Wage rate theories

.215 Fixing wage rates

Wage fluctuations, raising and lowering wages; relation of wages to supply and demand, to competition; relation of wages to bargaining power, bargaining theory of wages; wage rate theories. See also 331.214 Wage theories in general

3 **Relation of wages to production**

Marginal productivity or final utility theory of wages

4 **Relation of wages to cost of living**

Living wage; money wages v. real wages; minimum cost of subsistence theory of wages, iron or brazen law of wages; saving wage. See also 331.831 Cost of living

5 **Minimum and maximum wage**

.218 Plurality or cumulation of wages

By plurality of employment of single individual (see also 331.65 Abuse of plurality of offices); by earnings of various members of family, wages of husband and wife

.22 Wage scales Scale contracts

Sliding scale; extra pay or wages, efficiency bonus, subsidies, bounties; progressiv wage; family allowance systems. For deductions, stoppage, fines, etc. see 331.14 and 331.212

.23 Bases of wages and kinds of payment

By work done: job, task, piece; by time: hour, day, week, month, year; kinds of payment: truck system, store orders, shares (see also 331.17 Employe stockownership), payment in kind; intervention of middleman: farming out, subcontract, sweting system (see also 331.5 Work under unfavorable conditions, 331.794 Home workers), commissions

.238 Payment by other than employer

Fees, gratuities, tips

.24 Profitsharing

See also 331.17 Employe stockownership, 631.114 Share systems in farming

.25 Pensions Insurance Benefit agencies

See also 368 Insurance

.251 General questions

Voluntary v. compulsory insurance. State or national v. private insurance

.252 Pensions

Sickness, old age, invalidity pensions

.253 Group insurance

See also 331.825 Employer's liability

331.254 Individual insurance

Life insurance, etc.

4 **Social insurance**

Accident, sickness, etc. May be divided like 368.4, e.g. 331.25444 Unemployment insurance. See also 331.137 Unemployment, 331.82 Working conditions, accidents, etc.

.256 Homes for the aged

See also 362.6 Charitable institutions

.258 By industry

2–99 may be divided like 620–699 with 1 divided like the whole classification for other industries; e.g. 331.25822 Pensions and insurance in mining, 331.258177 in photografy

.26 State and wages

.261 Legislation Laws

Divided by country like 930–999, e.g. 331.26171 Wage legislation in Canada

.262 Wages for state labor

See also 331.795 Public service employes

.27 Professional remuneration

.28 Wages divided by industry

.282–.2899 may be divided like 620–699 with .281 divided like the whole classification for other industries; e.g. 331.2822 Wages in mining, 331.28177 in photografy

.29 Wages divided by country like 930–999

E.g. 331.2942 Wages in England

.3 Labor of children

Including adolescents up to 18 yrs, or thru period of compulsory schooling. See note under 331.4. See also 179.2 Cruelty to children, 331.113 Age of workers, 331.137 Prolongation of schooling as unemployment mesure, 331.86 Apprenticeship, 362.7 Child welfare, 364.26 Child labor and crime, 379.14 Working permits in public education

.31 General questions

.32 Wages

.33 Hours

Length of day, night work, overtime, holidays, etc. See also 331.81 Duration of work in general

.34 According to age

.35 Working conditions

Safety, accidents, sanitation, etc.

.38 In special industries

.382–.3899 may be divided like 620–699 with .381 divided like the whole classification for other industries; e.g. 331.387 Child labor in factories, 331.381792 Child actors

331.4 Labor of women

Include here discussions covering both labor of children and of women unless the former topic predominates. See also 331.113 Sex of workers, 331.137 Elimination of women as unemployment mesure, 396.5 Women

.41 Hours

Length of day, night work, overtime, holidays, etc. See also 331.81 Duration of work in general

.42 Wages

.43 Work of marrid women

Of women with child

.44 Work of young women

.45 Working conditions

Safety, accidents, sanitation, etc.

.47 Unemployment

See also 331.137 Unemployment in general

.48 In special industries

.482–.4899 may be divided like 620–699 with .481 divided like the whole classification for other industries; e.g. 331.487 Women in factories, 331.48177 in photografy

.5 Work under certain unfavorable conditions

At reduced wages, unpaid labor. See also 331.113 Unfortunate classes of workers, 331.23 Sweting system

.51 Prisons Convict labor

See also 365.65 Employment of prisoners in general

.52 Reformatories

See also 364.765 Employment of reformatory inmates

.53 Convents Charity workshops (Ouvroirs)

Paying beneficiaries nominal wages and marketing products at prices so small as to lower wages of self supporting workers

.54 Contract labor

See also 331.625 Coolies

.55 Apprentice labor

See also 331.86 Apprenticeship

.56 Peonage Serfs

See also 326.3 Serfs and serfdom in general

.57 Compulsory labor Corvée

See also 331.64 Drafted emergency labor

.58 Slave labor

See also 326 Slavery

.59 Handicapt

Blind, crippld, injured in war, mentally defectiv, etc.

331.6 Pauper labor Cheap foren labor Emergency labor

See also 339.1 Pauperism, 362.51 Pauper asilums

.61 Aid by furnishing work

National workshops; public works; spred of work; colonization systems, subsistance homesteds (see also 362.56 Free workmen's colonies); systems for producing by pauper labor at least part of goods consumed by themselvs. See also 331.1377 Unemployment relief, 331.9 Right to work, 351.8 Public works administration, 352.5 Municipal public works

.62 Foren workers Immigrant labor

Competition of foren labor, protection of nativ labor. Divided geografically like 930–999; e.g. 331.625 Manual Asiatic labor, coolies (see also 326.2 Coolies and contract slaves). See also 331.113 Alien classes of workers, 331.54 Contract labor

.64 Emergency labor

Voluntary labor, drafted labor (see also 331.57 Compulsory labor), rescue work, use of labor in times of disaster (see also 361.5 Charitable aid in disasters)

.65 Abuse of volunteer service, supernumerary time or service, plurality of offices

See also 331.218 Plurality of wages, 331.814 Overtime

.7 Different classes of workers Skild and unskild labor

Work and workers according to the different occupations, objects of work and economic situation

.71 Intellectual or mental work

Liberal professions; artistic workers (those whose work is not regarded as belonging to the fine arts, i.e. 700, but which is artistic in its character). Clas works on a special profession under 331.76. See also 331.794 Artisans

.76 In special industries

.762–.7699 may be divided like 620–699 with .761 divided like the whole classification for other industries; e.g. 331.763 Agricultural labor, 331.76137 Teachers

.77 Employes

Clas here material too general to go under a more specific number

.79 Miscellaneous workers

.794 Home workers Artisans

See also 331.23 Sweting system, 331.71 Artistic workers

.795 Public service employes: nation, state, city

Employes of public service contractors. See also 331.262 Wages for state labor

.796 Migrant labor

.798 Unskild workers

331.8 Laboring classes

Working conditions, organization, etc.

.81 Duration of work Rest

See also 331.33 Working hours for children, 331.41 Working hours for women

.811 Length of day

8-hour day, 10-hour day, etc. Shifts of work

.812 Night work

.813 Sunday work

.814 Overtime Supplementary hours

See also 331.65 Abuse of supernumerary time

.816 Vacation Leav of absence

.817 Holidays

Weekly rest, Sundays, labor festivals, May 1, festivals of patron saints

.818 In special industries

2–99 may be divided like 620–699 with 1 divided like the whole classification for other industries; e.g. 331.81822 Duration of work in mining, 331.818177 in photografy

.819 In special countries

Divided like 930–999, e.g. 331.8198 Duration of work in South America

.82 Working conditions Places of labor

See also 331.2544 Social insuranee, 613.6 Hygiene, 614.8 Protection of life, 622.8 Mining hazards

.821 Dangerous, uncomfortable, unhelthful quarters

.822 Industrial hygiene Medical supervision Prevention of occupational diseases

Phisical examination, hospitals, nursing, surgical aid, first aid (better clast under 614.8), dental work; in special industries. See also 331.827 Improvement of working conditions in factories, stores, offices, etc.

.823 Safety Accidents Occupational hazards

Causes of accidents, safety committees; preventiv and protectiv safety mesures (better clast under 614.8): education, safety devices, etc. Responsibility and legal reparation for accidents (see also 331.825 Employer's liability, reparation). Aid by public or private charity or workers associations (better clast under 361–362). Fires (better clast under 614.84): causes, preventiv and protectiv mesures, etc. Safety and accidents in special industries. See also 331.2544 Accident insuranee, 614.8 Protection of human life from accidents

.824 Industrial fatigue

.825 Employer's liability Reparation

Workmen's compensation. See also 331.253 Group insurance, 331.823 Responsibility for accidents

331.827 Improvement of working conditions in factories, stores, offices, etc.

Sanitation, baths, lavatories, toilet rooms, lighting, heating, ventilating; comfort, coat, rest and lunch rooms, cafeterias; morality, separation of sexes. See also 331.822 Industrial hygiene

.828 By industry

2–99 may be divided like 620–699 with 1 divided like the whole classification; e.g. 331.82822 Working conditions in mining, 331.828177 in photografy

.83 Material needs

Shelter, food, clothes. See also 640 Home economics

.831 Cost of living

Workmen's budgets. See also 331.2154 Relation of wages to cost of living, 364.26 Struggle for existence and crime, 647.1 Household accounts

.832 Consumptiv organizations

Consumers leags, cooperativ stores, etc. See also 334.5 Cooperativ consumptiv associations, stores

.833 Dwellings Lodgings

Housing problem in general. See also Domestic economy 643 Shelter: house, home; City planning 711.13 Housing; Architecture 728.13 Workmen's tenements, 728.68 Workmen's cottages

.834 Food

See also Domestic economy 641 Food, cookery

.835 **Restaurants Cafeterias**

See also Cooperation 334.4 Cooperativ housekeeping; Domestic economy 647.95 Cooperativ and collectiv housekeeping

.836 Clothing

See also Domestic economy 646 Clothing, toilet

.84 Morals and habits

Thrift, temperance, amusements, temptations. See also 170 Ethics, 263.6 Sunday amusement, 790 Amusements

.845 Use of leisure

.85 Intellectual life Education

Social settlements, libraries and reading rooms (see also 027.64 Workmen's libraries, 027.9 Free reading rooms, 263.7 Sunday opening), lectures, dramatics, musicals, continuation schools, etc. for laboring classes. See also 374 Adult education in general

331.86 Industrial education Training

Industrial rehabilitation. Apprenticeship (see also 331.3 Labor of children, 331.55 Apprentice labor); factory, vestibule and corporation schools; journeyman's service; cooperativ education; scholarships for study, for travel; study abroad; industrial nationalization (Americanization, etc., see also 325.73 Americanization of immigrants; for schools for the foren born see 371.98); training managers and foremen. For general industrial training see 607

.87 Organization of labor

For organization from standpoint of production see 338.018 Division and combination of labor

.88 Trade unions and other labor societies

For collected works on trade unions use 331.88049 divided like 08 in Table of form divisions following Relativ index. See also 338.64 Gilds

.8808 **Special questions relating to trade unions**

Union labels, labor racketeering, etc.

9 **By country**

91 International unions

93–99 divided like 930–999

E.g. 331.880942 Trade unions in England

.881 **By classes of workers**

2–99 may be divided like 620–699 with 1 divided like the whole classification for other industries; e.g. 331.88122 Miners unions, 331.881177 Photografers unions

.882 **Unions of managers**

.883 **Mixt unions of managers and workers**

.886 **Revolutionary unions**

Syndicalism, Fascism, Bolshevism, Industrial Workers of the World (IWW). See also 335 Socialism, communism

.887 **Unions of child workers**

.888 " " **women** "

.889 **Compulsory unions**

Open v. closed shop

.89 Disagreements between capital and labor

Combinations of workmen. Retaliation by employers. For prevention of outbreaks see 331.15. See also 364.26 Labor disputes and strikes and crime

.891 Attacks on freedom of work

Picketing, methods of intimidation. For scabs see 331.896

331.892 Strikes

Causes; types: the general strike; union, sympathetic, unorganized or outlaw, etc. (For sit down strikes see 331.8934). Strike maintenance, financial assistance and other strike benefits for strikers. See also 331.13 Termination of labor by employe

8 **In special industries**

82–899 may be divided like 620–699 with 81 divided like the whole classification for other industries; e.g. 331.892822 Strikes in mining, 331.8928177 in photografy

9 **By country**

Divided like 930–999, e.g. 331.892971 Strikes in Canada

.893 Other methods of workmen

Poor work, fair and unfair lists, etc.

1 **Violent**

Sabotage

2 **Mild**

3 Boycotting

4 Idling Sit downs

7 Injunctions

8 Political action Lobbying, etc.

.894 Methods of employers

2 **Blacklisting Laying under interdict**

3 **Whitelisting**

7 **Injunctions**

8 **Political action Lobbying, etc.**

.895 **Lockouts**

.896 **Strikebreaking**

Combating directly consequences of strikes; strikebreakers, scabs. Reorganization of remaining personnel, bringing in paid workers from outside, replacing strikers by volunteer workers

.897 **Strike benefits for employers**

Financial assistance, etc.

.898 Use of troops in labor disputes

.899 Other questions

.9 **Other labor questions**

International regulation of labor; the right to work (see also 331.61 Aiding paupers by furnishing work); encouragements to work offerd by general government or general societies: medals, decorations, rewards (see also 331.14 Work incentivs in general). Intervention of public powers in general; freedom and regulation of work; protection of workers; credit and contributions to workers and workers associations; transport of workers, workmen's trains

332 Financial economics Private finance

For public finance see 336. For full list of form divisions see Table 2 after Relativ index

SUMMARY

332.1 Banks and banking Commercial banks
.2 Savings banks
.3 Loan institutions
.4 Money Monetary systems Coinage
.5 Nonmetallic money Nonmetallic standards
.6 Investment finance Financial markets
.7 Credit system
.8 Interest Discount
.9 Counterfiting Forgery Alteration

.1 Banks and banking Commercial banks

Banks of deposit, business banks. See also 334.2 Cooperativ banks

.11 Central banks National banks

Bankers' banks, reserv banks, banks of issue or circulation, federal banks; regional banks, Federal reserv system of U. S. For international central banks see 332.15

.12 State or provincial banks Joint-stock banks

Cantonal and communal banks, country banks, locally charterd banks

.13 Private banks Partnership banks

Banking partnerships

.14 Trust companies Investment banking

Trusteeship; investment trusts, banks or dealers, bond houses; custodianships, customers' securities departments, including individuals as trustees. See also 332.6 Investment finance

.15 International banking Foren banking

Institutions and departments organized to conduct banking operations with or in countries other than those in which their parent establishments ar located; including their foren agents, correspondents, branches and similar affiliates. International central banks. Foren banking corporations, e.g. 'Edge' corporations. See also 332.16 Branch banking, 332.45 foren currency exchange

.153–.159 Geografic subdivision according to location of parent institution

Divided only geografically like 930–999. May be further subdivided after 09 like 930–999 according to country in which affiliate is located or with which foren business is conducted; e.g. American foren banking 332.1573, American banks in France 332.15730944, French banks in U.S. 332.15440973. But clas general discussions of banks or banking operations of foren countries in a special country in 332.1509 divided like 930–999; e.g. banks of foren countries in U.S. 332.150973

.16 Multiple banking

Branch banking (see also 332.15 Foren branches); group banking, chain banking, banking syndicates

.17 Administration

Organization, functions, methods, etc. Deposits, reservs. See also 332.25 Management of savings bank funds

332.2 Savings banks
See also 332.6 Investment finance, 334.7 Frendly societies, 362.62 Pensions, 368 Insurance

.21 Official savings institutions
National, state, municipal

.22 Postal, express and railway savings banks
See also 383.3 Post-office banking

.23 School savings banks Home or personal savings
Home savings banks, savings boxes

24 According to type of organization
Mutual or non-stock savings banks, savings associations (see also 332.32 Savings and loan associations); stock savings banks; savings departments of general or commercial banks, thrift, compound interest and Christmas fund departments, etc.

.25 Management of savings bank funds
Use, investment. See also 332.17 Bank administration

.27 Safe deposit companies
Safe deposit departments, boxes, vaults

.28 Free savings institutions

.3 Loan institutions
See also 332.6 Investment finance, 332.7 Credit system

.31 Credit institutions
See also 334.2 Credit unions

.311 **Agricultural banks and credit institutions**
Land banks, morgage banks and companies, cattle or livestock loan companies. See also 332.313 Chattel morgage companies, 332.71 Agricultural credit, 631.16 Agricultural finance

.312 **Industrial credit institutions**
Manufacturers and mercantil credit institutions; commercial and investment credit institutions, equipment trusts, etc.; credit institutions for special industries. For agricultural credit institutions see 332.311. See also 332.742 Industrial credit

.313 **Chattel loan institutions**
Chattel morgage companies, etc. See also 332.311 Morgage companies in general, cattle loan companies

.314 **Institutions for loaning on salaries**

.315 " " " " wages
Morris plan banks, workmen's banks

.316 **Institutions for loaning on personal qualities**
Personal loan institutions making loans based on character, business ability, etc. See also 332.745 Personal security

.317 **Stock exchange banks**

.32 Building and loan associations
Savings and loan associations, cooperativ loan associations. See also 332.24 Savings associations, 334.1 Building societies, 334.2 Cooperativ banks

.33 Monts de piété Government pawnshops

.34 Private pawnshops

332.4 **Money Monetary systems Coinage**

For design and manufacture see 737 Numismatics

.401 Theory

6 Miscellaneous monetary theories

Commodity, cost of production, quantity, etc. theories. See also 332.413 Value of money

.41 General questions

.411 Functions

Medium of exchange; measure or standard of value; standard of deferd payments, loan medium; storer of value, reservs; guarantor of solvency; gift medium

.412 Characteristics Qualities

Acceptability, stability of value, portability, durability, uniformity, divisibility, cognizability

.413 Value

Money and prices; determination of value, valuation (valorization), stabilization, fluctuation, appreciation, depreciation, debasement, devaluation (devalorization). See also 332.4016 Monetary theories

.414 Stock Supply

Variation, elastic or flexible currency; inflation, reflation, expansion (see also 336.368 Inflation in public insolvency); deflation, contraction. Circulation, currency fluctuations, forst circulation

.415 Denomination system

Monetary unit, money of account

.416 Legal tender Lawful money

For legal tender qualities of specific types of money see those types

.418 Coinage or monetary metals

Bullion, ingots; production, value, supply, etc.; nationalization. Gold, electrum; silver, billon; platinum; etc. See also 338.2 Mining production

.419 Coins Specie Metallic money

Ful-bodid coins; ful-weight, ful-value, standard coins; short-weight coins, token money, subsidiary or fractional coins. Abrasion, coins reduced in weight thru circulation or sweting, circulation tolerance; mutilation, defaced coins, clipping, filing, punching, trimming, etc.

.42 Monetary standards Metallic standards

For nonmetallic standards see 332.5

.421 General questions

Establishment, maintenance, suspension or abandonment of standard; monetization, demonetization

.422 Monometalism Single standard

Gold standard, gold coin or gold exchange standard, maintenance of value in gold, gold clause; silver standard; limping or halting standard

.423 Bimetalism Double standard

Gresham's law, silver question, mint ratio v. market ratio; parallel and alternating standards; symmetalism

332.43 International standards International coinage

International monetary agreements or conventions, e.g. Latin union, Scandinavian union

.44 International monetary congresses

See also 330.63 General economic conferences

.45 Comparativ value of moneys Exchange of foren currencies Cambistry

Rates of exchange, mint par of exchange, gold or specie points, purchasing power parities, arbitrage of currencies, premium, agiotage, etc. For instruments of foren exchange see 332.77. See also 332.15 International banking, 332.65 International security operations

.46 Mints and mint practises Coinage

Coinage restrictions; private v. government coinage. Coinage charges (see also 336.18 Coinage profits as public revenues), mint price of bullion; gratuitous coinage; brassage, seignorage, profit funds. Mint tolerance, mint remedy, trial of the pix, standard weight, mint wastage. Recoinage. For design and tecnic of manufacture see 737. See also 669.9 Assaying

.47 Coinage laws

May be divided geografically and by period like 930–999, e.g. 332.474405 Napoleonic coinage laws, 332.47732 Coinage laws in colonial America

.48 Other coinage topics

.49 In special countries

Divided like 930–999; e.g. 332.4937 Money and coinage in ancient Rome

.5 Nonmetallic money Nonmetallic standards

.51 General questions

Advantages, disadvantages

.52 Convertibility. Redeemability

Specie payments. Tho following topics ar also applicable to non-standard metallic money, it seems best to collect such material here. Representativ money, having metallic reservs equal to its ful face value. Credit or fiduciary money, having metallic reservs equal to only part of its face value; banking and currency theories, unrestricted v. restricted issue. Inconvertible or fiat money, printing pres money, emergency currency. See also 336.32 Printing pres money in Public finance

.53 Paper money Paper standard

Government or public notes: gold and silver certificates; currency notes (England); assignats, mandats (France). Bank notes, either public or private according to official status of issuing bank. Private notes intended primarily for general circulation as money: Chamber of commerce notes (France), Loan buro notes (Germany), for notes representing individual transactions, promissory notes, etc. see 332.77. Fractional paper money; e.g. shinplasters, scrip, stamp or postage stamp money. See also 329.82 Greenback party

332.54 Other nonmetallic moneys

Bearing printed or stampt statements of their monetary value. Clay tablets, sheets or tokens of lether, wood, etc.

.55 Mediums of exchange other than money

Primitiv mediums of exchange, commodities as mediums of exchange. Skins, cattle, cowrie shels, wampum, grain, tobacco, etc. as mediums of exchange

.56 Monetary standards based on value of commodities and service 'Scientific money'

Composit or multiple standards, index number standards, commodity dollar, etc. Standard for prices, for dets or deferd payments. Stable consumption v. stable income standard. Tabular standard (W.S.Jevons). Compensated monetary unit; compensated or stabilized dollar (Irving Fisher). Managed currency (J.M.Keynes). Social credit money, etc.

.6 Investment finance Financial markets

Bourses, brokers' boards, stock and security exchanges, commodity security exchanges, etc.

.61 General questions

Organization, administration, membership, 'seats,' officers, trading posts, functions, etc. Exchanges according to function (financial, stock, commodity, etc.) Stock exchange commission houses and branch offices, wire houses; stock exchange clearing houses (for bank clearing houses see 332.78). Stock exchange quotations, security price lists; security averages or indexes; quotation ticker and ticker services, tape and tape prices. Outside exchanges or markets, over the counter markets, unorganized exchanges; curb or street exchanges, coulisses; auction exchanges; bucket shops, illegitimate exchanges

.62 Security brokers and dealers

Agents de change. Brokers' agents and messengers, brokers' clerks, remisiers, runners, touts. Jobbers, traders, operators, professionals. Specialists, brokers and dealers in special classes of securities. Coulissiers, curb or street brokers; bucketeers, tipsters, illegitimate brokers and dealers

.63 Investment securities

Negotiable or transferable securities. Stocks (or shares) and bonds from economic and financial viewpoint. Capitalization, total amount of securities issued by an organization. Regulations for listing; wildcat securities, 'cats and dogs', speculativ, fraudulent or worthless securities. Corporation debentures; rights; certificates, corporation warrants; etc. See also 332.76–.77 Credit instruments, 658.14 Business financing

332.64 Security exchange operations Speculation

Stock jobbing, agiotage. Speculativ cycle, financial panics (see also 338.53–.58 Business cycles, 380.124 Trade cycles). General trading methods: for cash; regular way, for the account; for future settlement; with option. Orders. Credit transactions: margins, borrowing and lending securities, etc. Trading positions: long interests, buls, stags; short interests, bears; lambs; hedging. Settlement, clearing; daily v. term settlements; backwardation, contango, etc. Dealing in privileges, calls, puts, spreds, straddles. Averaging, pyramiding. Manipulation, cliques, rings, pools, wash sales, corners, bucketing, etc. Chart and tape reading.

.65 International security operations

Arbitrage transactions, comparison of commercial parities. See also 332.45 Arbitrage of currencies

.66 Public issue of transferable securities

.67 Investment

General investment principles and practises, investment distinguisht from speculation, etc. See also 332.14 Investment banking

.68 Lotteries

See also 336.381 Government lotteries

.69 Other questions

.7 Credit system

Theory and forms of credit, credit operations, credit instruments. For loan and credit institutions see 332.3, for public credit see 336.3. See also 658.14 Business financing, 658.882 Business credit methods

.71 Agricultural credit

For promoting agricultural operations. Crop loans, live stock loans, etc. Federal farm credit system, etc. See also 332.311 Agricultural banks and credit institutions, 631.16 Agricultural finance

.72 Landed credit Real estate credit

Morgage loans, farm morgage credit, etc. Federal farm loan system. For morgage banks see 332.311, for morgages see 332.77. See also 332.745 Loans based on property

.73 Popular credit Loans without interest

.74 Other types of credit

.742 Commercial credit Industrial credit

Productiv, capital or investment credit. Credit for special industries; maritim credit, etc. For agricultural credit see 332.71, real estate credit 332.72. See also 332.312 Industrial credit institutions

.743 Consumptiv credit

Individual or personal credit; i.e. credit extended to individuals

332.744 According to time of maturity
Short term, intermediate and long term credit

.745 According to security or risk
Personal security, loans based on character, moral risk; or on business ability or capacity, business risk. Collateral security, loans based on capital, property risk. Unsecured credit. See also 332.316 Personal loan institutions, 332.72 Morgage loans

.748 International credit

.75 Credit collapse Credit restrictions
Moratoriums; failure, insolvency, bankruptcy

.76 Deposit transfer instruments
Checks; interbank transfer accounts and clearings, French transfer system, German giro system; telegrafic and cable transfers; bank, express and postal money orders; travelers checks

.77 Other credit instruments
Credit instruments in general, commercial paper, etc. Promises to pay: notes, acceptances, open or book accounts; orders to pay: bils of exchange, drafts, letters of credit; collateral or documentary instruments: mortgages, etc. See also 332.63 Investment securities, 332.72 Morgage loans

.78 Clearing houses
For stock exchange clearing houses see 332.61

.79 Other questions

.8 Interest Discount
See also 336.31 Public securities

.81 General questions

.82 Interest

.83 Usury
Excessiv interest

.84 Discount
Discounting and rediscounting

.9 Counterfiting Forgery Alteration
See also 343 Criminal law

.91 General questions

.92 Coins

.93 Paper money Currency

.94 Securities Credit instruments
Check raising, etc.

.98 Protectiv mesures Safety devices

333 Land Natural resources Real estate

Ownership, rights, rent, policies. For other relations see Land in Relativ index following Tables. See also 338.1 Agricultural production, 339 National resources in general. For form divisions see Table 2 after Relativ index

.1 Government ownership and control

Public land, state domain. See also 336.1 Public lands as sources of revenue

.11 General questions

.12 According to government units

.122 International

.123 National

.124 State Provincial Cantonal

.125 County

.126 Municipal

.13 Expropriation Eminent domain

See also 336.18 Public revenue from expropriation

.14 Nationalization Socialization

.2 Community ownership

Common lands. See also 321.2 Village communities, 335.4 Communism, 335.9 Socialist communities

.3 Private ownership

.301 Theory

Occupation or seizure theory; ownership as natural right; labor theory, etc. See also 335.01 Socialist theories of property

.31 General questions

.32 Types of tenure

Feudal, manorial; family; individual, personal, allodium; corporate, collectiv, cooperativ

.33 Real estate transactions

Alienation or transfer of real property rights, inalienability, land investments and speculation, buying and selling real estate

.332 Valuation

See also 336.292 Tax valuation

.34 Registration systems Land titles

Torrens system, etc.

.35 Rights of succession

Inheritance, primogeniture, fideicommissum, mortmain, etc. See also 347.6 Inheritance law

.37 Large holdings

Latifundia

.38 Small holdings

Land division and allotment, parcelation, etc.

.4 Absentee or alien owners

333.5 **Rent and renting Rural or agricultural rent**
Landrent, rent of land for cultivation
.51 General questions
Economic theories of rent, land income, etc.
.52 Rental systems
See also 631.113–.114 Rent and share cropping in Agricultural economics.
.53 Tenancy
.54 Landlordism
Relations of landlord and tenant
.6 Urban rent
.62 Ground rent
Rent of land for building, industrial development, etc.
.63 Building rents
Rent of buildings, apartments, etc.
.7 **Utilization Land classification**
.71 General questions
Policies of utilization, settlement, etc. Limits of utilization
.72 Conservation of natural resources
See also 339.49 Conservation of national resources in general
.73 Waste lands
.74 Pasture and grazing lands
.75 Forests
See also 719.332 Forest reservs
.76 Cultivated lands Agricultural lands
.77 Urban lands Industrial lands
Lands for building, housing, industrial development, public utilities, transportation, etc.
.78 Recreational lands
See also 719.32 National parks, etc.
.79 Other surface utilization
.8 Subsurface utilization
Mineral lands, mines
.9 Other forms of utilization and rights
.91 Water rights
Riparian or litoral rights, shore lands; land under water; water utilization, for consumption, navigation, water power, irrigation; rights in oceans, lakes, streams, fisheries, etc.
.92 Air rights

334 Cooperation

Works on cooperation applied to other subjects ar generally better clast with those subjects, but may be kept together here by using 334.0001 followd by number for other subject; e.g. Cooperation in agriculture 334.000163, in business 334.0001658. For ful list of form divisions see Table 2 after Relativ index. See also 335 Socialism, 338.018 Cooperation in economic organization

.1 Building societies Cooperativ housing

Freehold land societies; loans, organization, etc. See also 332.32 Building and loan associations

.11 General questions

.12 For lease

Ownership remaining with society

.13 For sale

Ownership passing to individual members

.2 Cooperativ banking Credit societies

Credit unions. See also 332.1–.3 Banks and banking

.21 General questions

.22 Urban

Schulze-Delitsch system, etc.

.23 Rural

Raiffeisen system, etc.

.24 Banking and credit operations of general cooperativ societies

.3 Cooperativ insurance

Mutual and fraternal insurance. See also 368 Insurance

.4 Cooperativ housekeeping

See also 331.835 Laborers restaurants, 647.93 Cooperativ housekeeping methods

.5 Consumers cooperation Cooperativ stores

Distributiv cooperation, Rochdale system. For production activities of consumers societies see 334.6. See also 331.832 Consumptiv organizations among laborers

.51 General questions

.52 Wholesale societies

.53 Retail societies

.54 Women's cooperativ gilds

.6 Producers cooperation

.61 General questions

.62 Supply societies

For securing seed, implements, fertilizer, etc.

.63 Machinery owning societies

For joint use of threshing machines, tractors, etc.

.64 Production societies Cooperativ factories

Workers cooperativs

334.65 Marketing or sale societies

See also 380.125 General cooperativ marketing theory, 658.83 Business marketing methods

.68 By industry

.682–.6899 may be divided like 620–699 with .681 divided like the whole classification for other industries; e.g. 334.683 Cooperativ agricultural production, 334.68177 Cooperativ production in photografy

.7 Frendly societies Benefit societies

Mutual aid, benevolent and provident societies. See also 332.2 Savings banks, 368 Insurance

.8 Burial societies

See also 368.45 Burial insurance

.9 Other

335 Socialism Collectivism

Clas here economic and theoretic discussions only. The corresponding political systems ar clast in 321. For political parties see 329, for broad political and historical aspects see 930–999. See also 331.886 Revolutionary labor unions, 333.3 Private ownership, 334 Cooperation, 338.91 State and production control, 339.25 State and distribution control. For form divisions see Table 2 after Relativ index

.1 Utopian socialism Humanitarian socialism

Philosofic, idealistic, pre-Marxian socialism; reformism. See also 321.07 Ideal state, utopias

.11 General questions

.12 English utopian socialism

Owenism, etc. See also 335.9 Socialist communities

.14 Fabianism

See also 335.5 Social democracy

.15 Gild socialism Communal socialism

See also 335.82 Syndicalism

.2 Early French utopian socialism

Clas here also works on French utopianism in general

.21 General questions

.22 Babouvism (Babeuf)

.23 Icarianism (Cabet)

.25 Saint Simonism

See also 335.82 Syndicalism

.3 Later French utopian and humanitarian socialism

.31 General questions

.32 Fourierism Phalansterianism

Clas here also American utopianism, largely derived from Fourierism. See also 335.9 Socialist communities

.34 Rational socialism (Colins)

.35 Integral "

335.4 Marxian socialism Communism

Scientific socialism, revolutionary socialism. For utopian communism see 335.1. See also 333.2 Community ownership of natural resources

.41 General questions

.42 Marxian socialist internationals

.421 1st or Old international, 1864–76

International workingmen's association, Communist manifesto of Marx and Engels

.422 2d international, 1889–1916

International socialist buro

.423 2½ or Vienna international, 1921–3

International working union of socialist parties

.43 Post-Marxian communistic socialism

.44 Communist internationals

.441 Communist international association, 1919–

3d, Red or Moscow international, Comintern. Russian socialism, Bolshevism, Leninism. Communist manifesto of 3d international. For Red international of trade unions, Profintern, 1921– see 331.886 Bolshevist labor unionism

2 **Communist youth international**

.5 Social democracy Evolutionary socialism

German post-Marxian socialism, revizionism, gradualism. See also 335.14 Fabianism

.51 General questions

.52 Post-Marxian moderate socialist internationals

.522 Labor and socialist international, 1923–

New international

2 **Young socialists' international, 1923–**

.6 Socialism of the chair State socialism

See also 338.91 State industrial planning

.62 Socialism of the chair Professorial socialism

.63 State socialism

.64 Nationalist socialism Fascism Naziism

See also 331.886 Fascist labor unionism

.7 Christian socialism Catholic socialism

.8 Syndicalism Anarchism

.82 Syndicalism Corporatism

Syndicalist international, International workers of the world (I.W.W.), International association of workers (syndicalist). See also 331.152 Industrial democracy, 331.886 Revolutionary trade unions, 335.15 Gild socialism, 335.25 Saint Simonism

.83 Anarchism Nihilism

.831 General questions

.832 Individualistic and philosofic anarchism

.833 Communist and syndicalist anarchism

Violent anarchism

.9 Socialist communities

Divided like 930–999, e.g. 335.97446 Brook Farm community. See also 333.2 Community ownership, 335.12 Owenism, 335.32 Fourierism

336 Public finance

National and state. Cameralistic science. Government income or revenue, budget, source of income, etc. For financial administration and budget making see 351.71–.72; for local finances in general see 352.1. See also 332 Financial economics in general, private finance. For form divisions see Table 2 after Relativ index

SUMMARY

336.1 Non-tax revenues State domain and properties
.2 Taxation
.21 Direct taxes General and classified property taxes
.22 Real property tax
.23 Personal property tax
.24 Income tax
.25 Other direct taxes
.26 Customs Tarif duties
.27 Other taxes
.28 Local "
.29 Other questions
.3 Public borrowing Public dets
.39 " expenditure
.4–.9 Finance of special countries

.1 Non-tax revenues State domain and properties

Public or crown lands, etc. as sources of revenue. See also 333.1 Public land in general

.11 Management and income from rents and franchizes

.12 Disposal Sale

Sale of public land, buildings, equipment and supplies as sources of revenue only

.13 Free disposal Grants

For development, cultivation, extraction of minerals, etc. Land claims, preemption, homesteding

.14 For encouragement and aid of special enterprizes

Land grants to railroads, canal cos., etc.; in support of education, colleges, etc. See also 379.123 Land grants in Education, 385.133 Railroad subsidies

.15 Income from public moneys Interest

From deposits, investments, loans

.18 Sovren and regalian revenues

Tributes, indemnities, war reparations, etc.; recievd from conquerd, vassal or dependent states. Subsidies: from other nations in return for aid in war, etc.; from higher government units in aid of internal improvements or cooperativ development of public enterprizes, federal and state grants in aid (see also 353.9 State and federal relations). Coinage profits (see also 332.46 Coinage charges). Expropriation, eminent domain, etc. (see also 333.13 Land expropriation policy). Fines, penalties, forfitures (see also 343.2 Criminal law). Gratuities, gifts, bequests to government, 'conscience fund', tresure trove

336.19 State industries and monopolies

Revenue farming (for tax farming see 336.292). For discussions of revenues from special state industries 336.1982–.19899 may be divided like 620–699 with 336.1981 divided like the whole classification for other industries; e.g. 336.19879 State tobacco monopoly, 336.198107 State monopoly of journalism. See also 338.82 Monopolies in general

.2 Taxation

.21 Direct taxes

.211 General questions

.212 " property tax

.213 Classified property tax

.22 Real property tax

Taxes on real estate, land, buildings

.221 General questions

.222 Administration

Cadastration, tax survey; assessment

.223 According to location

Urban, suburban, rural

.224 Taxes on buildings and fixt improvements

House taxes

.226 Single tax Land value tax

System of Henry George. Tax confined to site and natural fertility values of land, unearnd increment tax. For single v. multiple tax system see 336.291

.228 Taxes on special classes of realty

Mineral lands, subsurface realty; surface realty, etc.

.23 Personal property tax

Tangible and intangible. For taxes on special objects see 336.278

.24 Income tax

.241 General questions

.242 Personal income

.243 Corporation income Business and industrial profits

Clas here general discussions of corporation taxes. Surplus and excess profits taxes

.244 Income from capital and investments

Taxation of interest, of income from government securities, etc.

.245 Income from rent

.246 " " wages and salaries

Taxation of labor and professional income

.247 Income of nonresidents

.248 Foren income

.249 Other questions

336.25 Other direct taxes

For inheritance taxes see 336.276

.251 **Poll or capitation tax**

Hed taxes, taxes on persons as persons. Taxes on bachelors, women, minors. See also 324.1 Suffrage qualifications

.252 **Direct consumption taxes**

For taxes on special articles see 336.278. See also 336.271 for general works on consumption taxes

.253 **Capital levy**

.26 Customs Tarif duties

Taxes on international trade. See also 337 Protection and free trade

.261 General questions

.262 Administration Regulations

.263 Types of duties

Import, export, transit, national and state tolls

.264 Methods of levy

Ad valorem, specific, combination, tarif valuation system. See also 337.32 for protectiv aspects

.265 Schedules

.266 **Rates on special commodities**

May be divided like the whole classification, e.g. 336.266677 Tarif schedules on textils

.268 Smuggling Fraud Evasion

.27 Other taxes

For local taxes see 336.28

.271 Excise Internal revenue

Internal commodity taxes. Clas here general works on commodity and consumption taxes, also indirect taxes. May be divided like 336.26 except .266 (see examples below). For direct consumption taxes only see 336.252; for excises on special objects see 336.278

3 **Types of excise**

On raw materials, severance and output taxes; on manufacture and production, process taxes; on sales, general sales and turnover taxes; on necessities, purpose mainly fiscal; on luxuries, sumptuary taxes, purpose part fiscal, part regulatory

8 **Fraud Evasion Bootlegging**

.272 Stamp duties or taxes Revenue stamps

.273 Fees

Charges for performance of certain governmental acts conferring special benefits on particular individuals; legalization of various acts, documents, instruments, etc.; organization, registration, court, inspection, etc. fees

336.274 Licenses

Business and occupation taxes, corporation organization and entrance taxes; taxes on operation of various industries, exercize of various professions, etc. For other relations see License in Relativ index following Tables

.276 Deth and transfer taxes

Estate; inheritance, legacy or succession; gift taxes

.278 Special taxes

Special tax bases, taxes on special objects or articles. May be divided like the whole classification, e.g. 336.27875 Taxes on paintings

.279 Taxes for special purposes

Cleric support, highway taxes, etc. May be divided like the whole classification, e.g. 336.27937 Taxes for education

.28 Local taxes

General discussions and works on special taxes mainly or exclusivly local. See also 352.1 Local taxation, 379.13 School funds

.282 Octroi

Entrance taxes, import octrois; exit taxes, export octrois; transit taxes, local tolls. See also 381 Domestic commerce

.283 Special assessments Betterment taxes

Levies against property to defray costs of public improvements

.29 Other questions

.291 General principles of taxation

Canons of taxation: equality, certainty, productivity, etc. Single v. multiple tax system (for 'Single tax' see 336.226). Taxable capacity

.292 Tax administration

Organization; tax surveys; assessment, valuation (see also 333.332 Real estate valuation in general), estimates, tax lists, equalization; apportionment among government units: national, state or provincial, local. Collection: tax farming (see also 336.19 Revenue farming in state industries), retention at source, composition, etc; payment in cash, produce, labor; evidences of payment, tax reciets; delinquencies, tax sales. Restitution, drawbacks

.293 Mesure of tax Tax rates

Ad valorem; specific; fixt, lump sum; proportional: tenths or tithes, per centages, mils, etc.; graduated: progressiv, degressiv, regressiv

.294 Distribution of tax burden

Justice in taxation; incidence, shifting; double taxation; alien and nonresident taxation. Exemptions: minimum, continuing, vanishing, social, etc. exemptions; deductions. Exemptions as subsidies, used to attract certain classes of commercial and industrial enterprises. Tax evasion, avoidance, fraud

.295 Effects of taxation

Economic: on production, on distribution of welth, on stediness of employment. Social: taxation and social reform, repressiv aspects of taxation. Political

336.3 Public borrowing Public dets

Loans to governmcnts, claims against governments. See also 332.7 Credit system in general

.31 Public securities Funding system

Interest bearing government securities, public funds, rentes, funded or bonded det. Government bonds, etc. Interest rates (see also 332.8 Interest). Long term and perpetual securities, consols, etc. Intermediate securities. Callable and serial bonds. Credit bonds

.32 Short term securities Floating det

Maturing within a year. Unfunded or current det. Fiat or printing pres money. See also 332.52 Printing pres money in general finance

.33 Sinking fund Amortization

Sinking fund ' raids ', etc.

.34 Public credit

.341 General questions

.342 Character and bases of public credit

.343 Forms of public det

According to borrowing unit: national, state, local. According to source of loan: internal, domestic; external, foren; private loans. According to productivity: productiv; unproductiv, dedweight, war dets, etc.

.344 Det flotation

Forst or compulsory, and voluntary loans; bids, subscriptions, allotment; marketability: at par, premium, discount

.345 Burden and economic effects of public borrowing

.346 Control and limitation of public credit

Increase of public indettedness, ' pay-as-you-go ' policy

.35 Annuities

Contingent, deferd or reversionary, life, tontine, etc.

.36 Repayment Repudiation

Liquidation; retirement, redemption, payment in ful, either immediate or gradual; moratorium; cancelation, by mutual agreement, without payment: partial, reduction, scaling down, complete

.368 Public insolvency Bankruptcy

Default, token payments; repudiation: partial, by inflation, etc. (see also 332.414 Monetary inflation), complete

.37 Refunding Consolidation Conversion

.38 Other questions

.381 Lottery loans Premium loans

See also 332.68 Private lotteries

.39 Public expenditure

Character, principles, classification and objects, justification, economic aspects of public expenditure. For administrativ aspects and budget making see 351.71–.72

.4–.9 Finance of special countries

Divided like 940–999, e.g. 336.51 Chinese public finance. For ancient countries 336.093 may be used, e.g. 336.0937 Public finance in ancient Rome

337 Tarif policy Protection and free trade

For customs as source of revenue, tarif administration, schedules of duties see 336.26. See also 382 Foren trade. For form divisions, see Table 2 after Relativ index

.1 Absolute free trade No tarif

.2 Free trade Nonprotectiv tarif

Tarif for revenue only, fiscal tarifs

.3 Protection

Protectiv and prohibitiv tarifs

.31 General questions

.32 Ad valorem v. specific duties

Protectiv aspects. See also 336.264 Methods of levying customs

.33 Export duties and restrictions

Export licenses and embargoes; rationing of exports, export quotas; temporary or permanent prohibition of exportation

.34 Import duties and restrictions

Licenses, embargoes, quotas, marks of origin, prohibition of importation

.35 Transit duties and restrictions

Licenses, embargoes, prohibition, etc.

.36 Tarif systems

Clas here general discussions of autonomous tarifs. Single schedule, general or unilinear; multiple schedule or multilinear tarifs. Maximum and minimum, bilinear or double schedule; general and conventional; intermediate; preferential or differential tarifs. See also 337.38 Customs reprisals, 337.91 Tarif treaties, 337.92 Colonial preferential policies

.38 Customs reprisals Tarif wars

Discriminatory and retaliatory duties, protection against unfair foren competition; countervailing and antidumping duties. See also 337.36 Tarif systems, 337.91 Reciprocity

.4 Subsidies Drawbacks

Bounties, premiums, subventions; rebates

.5 Protection applied to special articles

May be divided like the whole classification, e.g. 337.563 Protection of agricultural products. But clas protection of intellectual products (books, art objects) under 337.7

.6 Protection applied to raw materials

General discussions only. For special articles or groups of articles see 337.5

.7 Protection applied to intellectual products

Books, works of art, etc.

.71 General questions

.72 Books Literary works

.73 Works of art

May be divided like 700, e.g. 337.735 Protection applied to paintings

337.8 **Free importation of dutiable articles**

.81 General questions

.82 Exemption from customs duties

Personal; institutional: colleges, libraries, museums, etc. See also 021.861 Libraries (free importation)

.83 Customs permit Acquit à caution

.84 Temporary admission Admission temporaire

Improvement trade

.87 Entrepôt rights Free ports and zones

Bonded areas and warehouses

.9 **Other questions**

.91 Tarif treaties

Customs unions, zollverein, conventional tarifs; reciprocity (see also 337.38 Customs reprisals); most favord nation clause (see also 337.36 Preferential tarifs); bargaining tarifs, concession and penalty systems

.92 Colonial tarif policies

Customs relations between mother country and colonies, imperial protectionism; tarif assimilation, preferential policy (see also 337.36 Differential and preferential tarifs), 'open door' policy

338 Production Economic organization and condition

Industrial economics, economic cycles. For ful list of form divisions see Table 2 after Relativ index

SUMMARY

338.1 Agricultural products
.2 Mining products
.3 Water "
.4 Manufactured products Machinery in industry Intellectual production
.5 Prices Cost Business cycles
.6 Systems of productiv activity
.7 Organization and concentration of production Entrepreneurship
.8 Integration of production Mergers
.9 Industrial legislation

.01 **Theory Philosofy of production**

.011 General conception and field of production

Definition, nature and character, forms

.012 Classification

Of elements of production: land, labor, capital, entrepreneurship; relativ importance, interrelations. General discussions only; material on special element clas with that element: e.g. 333 Land, 331 Labor, 339 Capital, 338.7 Entrepreneurship

338.016 Miscellaneous principles and theories

Economic laws of production: laws of diminishing returns, marginal utility, increasing and decreasing costs, comparativ advantage, etc. Principle of combination of agents of production. Expanding v. mature economy

.018 Scientific and tecnical methods

Specialization, diversification, division and combination of labor, distribution of labor (for organization of labor in general see 331.87). Change from one economic state to another, industrialization, agronomization. Shift within fields; e.g. change of a country from production of one commodity or group of commodities to another because of action of law of comparativ advantage. Cooperation, competition, free exchange (see also 334 Cooperation). Control and distribution of production, supply and demand (for general theory of supply and demand see 380.11)

.019 History of production theory

By school and by country. 3–9 may be divided like 930–999, e.g. 338.01943 Theory of production in Germany

.06 Organizations

.062 Employers associations

.1 Agricultural products

See also 333 Land: ownership, rights, rents; 630 Agriculture

.11 General questions

Relativ contributions of various agents of production

.12 Organization

Form: one-man, corporate, etc. Size and type: large and small farms (see also 631.116 Scale of farm); agricultural colonies (see also 331.763 Agricultural labor, 362.56 Free colonies); workmen's gardens, lot cultivation, etc. (see also 362.57 Land privilege for paupers). Competition, cooperation, unions (see also 630.62 Agricultural organizations), cooperativ farming (see also 334.683 Agricultural cooperativ productiv associations). See also 631.115 Systems of working a farm

.13 Financial questions

Costs, opportunity cost, etc. Prices, supply and demand, profits. See also 631.16 Agricultural finances

.14 Marketing and trade

See also 631.18 Farm economics, marketing

.15 Agricultural crises

Maladjustment of production and consumption, overproduction, surpluses, underproduction, crop failures, famins, underconsumption

.17 Special products

Divided like 630, e.g. 338.1731 Economics of grain production; but for fish see 338.372 Water products

.18 Relation to other subjects

Divided like the whole classification, e.g. 338.1867 Relation of agricultural production to manufactures

338.2 **Mining products**

Divided like 338.1, e.g. 338.24 Marketing mining products. See also 332.418 Coinage metals, 553 Economic geology, 622 Mining

.27 Special products

Divided like 553, e.g. 338.273 Economics of iron production; but clas mineral waters under 338.374

.3 **Water products**

Divided like 338.1, e.g. 338.34 Marketing water products

.37 Special products

For aquatic vegetable products see 338.1 Agricultural products

.372 Fish and other aquatic animal products

Divided like 590, e.g. 338.37234 Economics of sponge industry. See also 639 Fishing

.373 Ice

See also 621.58 Ice manufacture

.374 Potable water

Common drinking water (see also 628.1 Water supply of towns, 628.7 Rural water supply); mineral waters, carbonated waters, etc. (see also 553.7 Economic geology, 663.6 Manufacture of artificial mineral waters)

.377 Water power

.4 **Manufactured products Machinery in industry Intellectual production**

Divided like 338.1, e.g. 338.44 Marketing manufactured products. But manufacturing crises ar clast under 338.53–.58. See also 660 Chemic tecnology, 670 Manufactures, 680 Mecanic trades

.45 Machinery in industry

Mas production, machinery in special industrics; .4562–.45699 may be divided like 620–699 with .4561 divided like the whole classification for other industries; e.g. 338.45622 Machinery in mining, 338.456177 in photografy

.46 Intellectual production

See also 331.71 Intellectual workers

.47 Special products

May be divided like the whole classification, e.g. 338.47677 Economics of textil production

.5 **Prices Costs Business cycles**

See also 330.162 Theories of value

.52 Prices and values

Supply and demand in relation to prices (see also 380.11 Commercial theory of supply and demand). Calculation of price: cost of production and marketing, profits, losses. Price under various conditions: monopoly and competitiv price. Real prices, price indexes

.526 Price fixing Government regulation

338.527 Prices for various articles

May be divided like the whole classification, e.g. 338.5277 Prices in the fine arts

.528 Prices in relation to other subjects

May be divided like the whole classification, e.g. 338.52832 Prices in relation to political science

.53 Business cycles Crises Panics

Secular trends v. business cycles. See also 332.64 Financial crises, 380.124 Trade cycles, commercial fluctuations

.54 Business cycles

Maladjustment of production and consumption, overproduction, underproduction, underconsumption as phases of business cycles

.548 **Relation to various subjects**

May be divided like the whole classification, e.g. 338.54815 Business cycles in relation to psicology

.55 Crises

.558 **In relation to various subjects**

May be divided like the whole classification, e.g. 338.558331 Crises in relation to labor

.559 **General crises**

1 International

3–9 By country

Divided like 930–999, e.g. 338.5598 South American industrial crises

Each of following, 338.56–.58, may be divided like 338.55, e.g. 338.5691 International industrial panics

.56 **Panics**

Prefer 332.64 for banking and financial panics

.57 **Depressions Recessions**

.58 **Booms**

.6 **Systems of productiv activity**

For Cooperativ systems see 334, Socialist systems see 335

.61 General questions

.62 Primitiv production

Clas system

.63 Family system

Production by family for family consumption, self-sufficing or isolated production. By members of family only: single family; family groups, village and manorial systems. Slave system; help or hire system

338.64 Handicraft system Custom system

Trade or commercial production; small industry. Unorganized; organized, gild system. In special trades, trade gilds (see also 331.88 Trade unions). 338.6462–.64699 may be divided like 620–699 with 338.6461 divided like the whole classification for other trades; e.g. 338.64677 Handicrafts in textil trades, 338.64617 Art handicrafts

.65 Capitalistic or industrial production

Domestic system, house industry; sweting system; factory system, large industry

.7 Organization and concentration of production Entrepreneurship

Enterprize. See also 658 Management

.71 General questions

.72 Individual entrepreneur or proprietor

.73 Partnership Companies

Trading companies

.74 Industrial corporations

.76 By industry

.762–.769 may be divided like 620–699, using .761 divided like the whole classification for other industries, e.g. 338.767 Entrepreneurship in manufactures, 338.76177 in photografy

.78 Corporations in relation to various subjects

May be divided like the whole classification, e.g. 338.7832 Corporations in relation to political science

.8 Integration of production Mergers

See also 338.91 State and production control

.81 General questions

Horizontal and vertical combination

.82 Monopolies

Ethics; methods of obtaining monopoly, agreements, etc.; state and monopoly, regulation, prevention (see also 336.19 State monopolies).

.826 Monopolies in special industries

2–99 may be divided like 620–699 with 1 divided like the whole classification for other industries, e.g. 338.82622 Monopolies in mining, 338.826177 in photografy

338.83 Industrial pools

For restricting and alloting output. Output and money pools; selling buros or agencies, cartels

.84 Rings Cliques

.85 Industrial trusts

Methods of formation and operation, financial questions; relations to industrial progress, public welfare, special industries and various questions; .8562–99 may be divided like 620–699 with .8561 divided like the whole classification for other industries; e.g. 338.85622 Mining trusts, 338.8561332 Financial trusts

.86 Holding concerns

.88 International combinations

.882–.886 may be used like 338.82–.86 for special types of international combinations, e.g. 338.885 International trusts

.9 Industrial legislation

For labor legislation see 331

.91 General questions

Intervention of state in production, state and production control (see also 335 Socialism, 338.8 Monopolies, 347.7 commercial law). Official representation of production interests, industrial parliamentarism (see also 324.227 Functional representation in suffrage, 331.155 Industrial arbitration, 380.126 Commercial arbitration). Authorization, control, regulation, inspection. Methods of encouragement of commerce and industry: grants, subsidies, guarantees of interest, premiums, etc. Industrial planning, production plans, pland economy: international and world planning; national, state, local and municipal planning; planning in special industries (see also 335.6 State and nationalist socialism, 339.25 Organized v. unorganized distribution of welth, 339.49 Conservation of national resources)

.92 By subject

May be divided like 338, e.g. 338.921 Legislation applied to agricultural production.

.93–.99 By country

Divided like 930–999, e.g. 338.937 Industrial legislation in ancient Rome

339 Capital Distribution and consumption of welth

National resources in general. For natural resources see 333. See also Capital, Pauper, Pauperism, Welth, in Relativ index following Tables. For form divisions see Table 2 after Relativ index

.1 Comfort and poverty

Pauperism, life and condition of poor. Causes of poverty. Absolute and relativ poverty; destitution, penury. Prevention of poverty. See also 331.6 Pauper labor, 339.42 Wants, 364.26 Economic status and crime

.14 Mendicancy Vagrancy

Beggars, hobos, tramps, vagabonds

.16 Poor relief

Indoor v. outdoor relief, almshouses, poorhouses. Private, individual or institutional v. public relief; poor laws. Economic aspects only; for general discussions, methods, etc. see 362.5

.18 Comfort

For luxury see 339.45

.2 Division and distribution of welth

Modes and principles of distribution

.21 General questions

.22 Inequalities in distribution

.23 Distributiv shares

Respectiv incomes or rewards of agents of production, proceeds of production falling to each. Gross v. net proceeds (produit net). Share of labor: wages, salaries (for general discussions of wages see 331.2); share of land: rent (for general discussions of rent see 333.5); share of capital: interest (for general discussions of interest see 332.8); share of entrepreneurship: profits, surplus (for general discussions of entrepreneurship see 338.7, for profits in relation to price 338.52)

.24 Accumulation of welth Riches

Individual shares, individual welth

.25 Organized v. unorganized distribution

See also 335 Socialism, 338.91 Pland economy, 658.8 Selling

339.3 **Appraisal of welth Capital and income**

Estimated value of national welth. Principles of mesurement; income valuation, benefit and money income; capital valuation, capitalization of income. May be divided like 930–999, e.g. 339.373 Appraisal of American welth

.4 **Consumption Use of welth**

Satisfaction of human wants. See also 364.26 Economic status and crime

.41 General questions

Productiv consumption, utilization of capital; unproductiv or final consumption

.42 Standards of living Wants

See also 339.1 Comfort and poverty

.43 Economic or beneficial consumption

Economy, thrift, saving, frugality, liberality

.44 Uneconomic or harmful consumption

Parsimony, stinginess; prodigality, waste, idleness, dissipation, extravagance

.45 Luxury

See also 339.18 Comfort

.46 Avarice Miserliness Hoarding

.47 Control of consumption

Freedom of consumption. Personal and social control. Public or government control: restrictiv, sumptuary laws; protectiv, consumer protection

.48 Special items of consumption

May be divided like the whole classification, e.g. 339.4863 Agricultural consumption

.49 Conservation of national resources

Divided like 930–999, e.g. 339.4973 Conservation of American national resources. See also 333.72 Conservation of natural resources, 338.91 Pland economy

340 Law

General works Most periodicals belong in Private law, 347.05

.1 Philosofy Theories Law of nature

.3 Antiquities: torture, trial by ordeal, duel, etc.

.4 Trial by jury

.5 Comparativ legislation

.6 Medical jurisprudence See also 614.23 Expert testimony

.7 Education Law school Offis training

.8 Polygrafy Collections

.9 Legal anecdotes and miscellany

Public law

341 International law

.01 Philosofy; 02 Compends, etc. like 300

.1 International congresses and associations

Of diplomatic agents for settling international relations; Hague tribunal, Leag of Nations. Congresses on special topics go with their subjects; e. g. 332.44 on Coinage

.2 Treaties: texts and history

Clas with most important country, dividing like 930–999

.3 Law of war Captivs Neutrals

.4 International criminal law

.5 International private law May be divided like 347

.6 Arbitration

.7 Diplomacy

.8 Consular systems

342 Constitutional law and history

Divided by countries like 930–999. Under each, works may be divided: 01 Texts of constitution; 02 Conventions; 03 Systems, commentaries; 04 Essays; 08 Polygrafy; 09 History, but it is recommended that American libraries make an exception for U. S. by omitting 0, using, for example, for commentary on U. S. constitution 342.733

For Administrativ law, see 350

343 Criminal law

.09 History and local treatment

Divided like 930–999. Under each country, works may be divided: 01 Penal codes; 02 Reports; 03 Criminal procedure; 04 Text books and manuals. For exception recommended for American libraries see note under 342.

.1 Criminal trials

.2 Punishments

Corporal. Deth penalty. Hard labor. Confinement

344 Martial law

See also 355 Military law

Private law

345 United States statutes and cases

Divide each of the sections .1–.5, using 1 U. S.; 2 Individual states arranged alfabeticly; e. g. Statutes at large of U. S. 345.11; Acts and resolvs of Mass. 345.12

.1 Session laws

345.2 Codes Revised statutes
.3 Law digests (of statutes)
.4 Reports
Use .4 U. S. supreme court; .41 U. S. circuit and district courts; .415 Periodical collections of various states; e. g. Eastern Reporter, etc; .42 Reports of individual states
.5 Digests of cases

346 British statutes and cases

Divided like 345. Includes all reports in English language except U. S. reports

347 General works Treatises

.01 Philosofy .02 Compends .03 Dictionaries .04 Essays .05 Periodicals .06 Societies, bar associations .08 Polygrafy .09 History
Put law of special topics with subject; e. g. Insurance law, 368. Divisions .1–.8 may be disregarded and all English law textbooks arranged in one alfabet by authors

.1 Persons Legal capacity
.2 Realty
.3 Chattels Movables
.4 Contracts
.5 Torts
.6 Family law and inheritance
.7 Commercial and maritime
.8 Equity
.9 Civil trials Procedure Courts Judiciary
.91 Civil trials
.92 Pleading
.93 Forms
.94 Evidence Testimony in general not limited to civil trials
.95 Remedies
.96 Justises of the peace Notaries Sheriff
.97 Organization of courts
.98 Jurisdictions
.99 History of special courts

348 Church law

349 Law other than American and British

Divided like 930–999, and under each modern state divided after a o like 345 with 071–079 used for Treatises like 347; e. g. 349.44075 is French law of torts, 349.4402 is French code; or, if preferd, 347 may be used to include treatises on law in any country and 071-079 be disregarded after country subdivisions of 349. Roman law is divided:

.37 Roman law
.01 Philosofy .02 Compends .03 Dictionaries .04 Essays .05 Periodicals .06 Societies .07 Education .08 Polygrafy .09 History
.371 Sources: Ante-Justinian
.372 " Justinian
.373 History and criticism of sources
.374 Institutes: ancient Roman law
.375 Pandects: modern " "
.377 Treatises on special topics Divided like 347

350 Administration

Including Military science. .1 Theory; .2 Compends; .3 Dictionarics; .4 Essays; .5 Periodicals; .6 Societies; .7 Education; .8 Polygrafy; .9 History

A large number of the questions properly placed under Administration ar clast with related topics elsewhere. Some of these ar repeated here, both to show the scope of the subject 'Administration' and to provide for cross references by those specially interested. See also 342 Constitutional law and history

351 Administration of central government

.1 **Organization of civil servis**
Offisers Method of selection: election or appointment Official functions and powers Mutual relations

.2 **Civil lists**

.3 **Examination**

.4 **Tenure of offis** **Disciplin** See 351.92 Power of removal

.5 **Pensions**

.6 **Reform** **Spoils system vs offisholding clas**

.7 **Subjects of administrativ action**
See also 353 United States; 354 Countries other than United States

.71 Financial administration
See 336 Public finance, public property, taxation

.72 Budget Public accounts

.73 Internal affairs See also 323 Domestic relations

.74 Police mesures

.75 **Public safety and order** See also 352.2 Police; 365 Prisons, etc.

.751 Press

.752 Reunion and association

.753 Wepons

.76 **Vice and good manners**

.761 Liquor regulation See 178 Temperance

.762 Public gaming See 174.6 Ethics

.763 Public begging See 339.1 Pauperism

.764 Prostitution See 176.5 Ethics

.77 **Sanitary police**
See 352.4 Boards of helth; 614 Public helth, etc.

.78 **Accidents** See 614.8 Public helth

.781 Bildings See 614.85

.782 Fires See 614.84

.79 **Other**

.791 Policing waterways

.792 U. S. Coast guard

.8 Promotion of public welfare

.81 **Means of communication**
See 380 Commerce, communication

.811 Highways See 388; 352.7 Local government

.812 Railways See 385

.813 Waterways See 386; 387

.814 Ferries

.815 Bridges See 352.7 Local government

.816 Postoffis See 383

.817 Telegrafs See 384.1

351.82 **Trade and industry**
.821 Weights and mesures See 389 Commerce
.822 Coinage and money See 332 Banks, money
.823 Landed industry
Agriculture See 630 Useful arts; 338.1 Production
Forests See 634.9 Forestry; 333.7 Land
Mines See 622 Mining; 338.2 Production; 333.75 Land
.824 Commercial and manufacturing industry
See 380 Commerce; 338 Production
.825 Institutions of credit See 332 Banks, credit
Savings banks See 332.2
Mutual benefit societies See 334 Cooperation
Insurance See 368; 334.3 Cooperativ insurance
Monts de piété See 332.33
.83 **Labor** See 331 Capital, Labor, Wages
.84 **Public charity**
See 339.1 Pauperism; 360 Associations and Institutions
.85 **Education and worship**
.851 Public education See 379 Education
.852 Public libraries See 027.4 Library economy
.853 Art museums See 708 Art
.857 Worship See 322 Church and state
Military and naval See 355–359 Army and Navy
Justis See 340 Law
Foren affairs See 341 International law; 327 Political science
.9 **Control over the administration**
.91 Administrativ control By superior offisers
.92 Disciplinary power
Power of removal. See also 351.4 Tenure of offis
.93 Supervision
Power to annul or amend specific acts
.94 Judicial control
.941 **Ordinary courts** See 347.5 Law of torts
.945 **Criminal courts** See 343 Criminal law
.95 Administrativ courts
.96 Parliamentary control
.97 Petitions and addresses
.98 Investigations
.99 Impeachment

352 Local government: county, town, city

See also 379 Public schools; 020 Libraries

General questions of municipal administration

.001 Growth and importance of cities
.002 Cities and state control
.003 City as a juristic person, a corporation
See also 347.1 Law of corporations
.004 City organization, municipal elections
.005 Municipal civil servis
.008 Forms of administration
Commission, manager etc.

Local administration of special countries and cities

.03–.09 divided by countries like 930–999

352 042 **Local government in England**

Arrange matter relating to special cities alfabeticly by name of city and subdivide the remaining works as follows:

01 County
02 Municipal boro
03 Parish
04 Union See 339.1 Pauperism
05 Sanitary districts See 614 Public helth
06 School districts See 379 Education
07 Highway areas See 352.7

.043 **Local government in Germany** Special cities like 352.042

01 Province: landtag, provincial committee, director
02
03 Circle Circle diet Circle committee Landrat
04 Commune
05 Towns
06 Township

.044 **Local government in France** Special cities like 352.042

01 Department
02 General council
03 Departmental commission
04 Prefect
05 Arrondissement
06 Commune
07 Mayor
08 Municipal council

.1 **Finances: city property and local taxation**

See also 336 Public finance

.2 **Police**

.3 **Fire department** See also 621.68 Fire engins; 614.84 Fires

.4 **Public helth: board of helth** See also 614 Medicin

.5 **Public bildings and works**

.6 Water and sewerage works See also 628 Sanitary engineering

.7 Streets Highways Bridges Parks

See also these topics in Relativ index for other relations

.8 **Licenses: hack, huckster, entertainment, etc.**

.9 **Other topics**

353 United States and state government

Operation of executiv branch of government. For U. S. congress and state legislatures see 328.73–.798, where also ar department reports in sets of congressional and state documents. Clas separates of such reports with their subjects or with their respectiv departments in 353.1–.97988 when they hav no definit place elsewhere in the clasification; but report of office of education 379.73, of agriculture dep't 630.6

See also 342.73 Constitutional law and history, 347.9 Judiciary branch

.01 Administrativ centralization
.02 Separation of powers
.03 President
.04 Departments
.05 Cabinet

.1 **State department**

.2 **Tresury department**

Laws and rules governing tresury; but clas reports 336.73 U. S. finance

.3 **Interior department**

.4 **Postoffis department** See postal servis 383.4973

353.5 Justice department For judiciary branch see 347.9

.6 War department

See also 355 Army: military science

.7 Navy department

See also 359 Navy: naval science

.8 Other departments

.9 State government Divided like 974-979

Apply same decimals for state governments. For departments not here specified use .8 and .9 and any of above numbers left blank; e. g. for a state having no navy, .7 is free for some local use. Judiciary dep't of D. C. 353.97535. 353.9 includes history of regiments, unless covering a particular period of national history; e. g. the "history of the N. Y. 7th regiment in the civil war" is attracted to 973.74, but a general history of the same regiment is 353.97476. Prefer 355–359; see note under 355

354 Organization of central government Countries other than United States

See also 342 Constitutional law and history

Divided geograficly by countries like 930–999. Under each country (except where existing country divisions conflict; e. g. 943 Germany, 943.6 Austria) the U. S. divisions, 1 State, 2 Tresury, etc. may be used; e. g. State department of Great Britain, 354.421; or, for sake of uniformity and because of possible future division of countries (and this is advized for libraries which hav not alredy added the department numbers directly to the country number) these numbers may be added to 06 affixt to country number (see Germany below); e. g. 061 State department, etc. But do not use these divisions where a single number is at present used for 2 or more countries (e. g. 989 Paraguay, Uruguay) and for which more specific provision wil eventually be made. Ad also the following divisions:

.42 Administration of England Central government

01 Administrativ centralization
02 Separation of powers
03 Monarch
04 Privy council
05 Cabinet

.43 Administration of Germany Central government

01 Administrativ centralization
02 Separation of powers
03 Empire
032 Bundesrat
033 Emperor
034 Ministry
04 Republic
06 Departments
Divided like 353; e. g. 354.43062 Tresury department of Germany
07 States Monarchs
072 Landtag Ministers Council of state
08 Free cities

.44 Administration of France Central government

01 Administrativ centralization
02 Separation of powers
03 President
04 Ministers
05 Council of state

355 Military science

Military in broad sense of land and sea forces; but limited to military science, tactics, strategy, etc. For War department of U. S. see 353.6, of other countries use 066 following appropriate geografic subdivisions of 354, e.g. 354.42066 War dept of England. Clas general histories of military units covering several wars and intermediate periods under appropriate subdivisions of 355–359; e.g. History of 2d U. S. Cavalry 357.0973, general history of a N. Y. infantry regiment 356.09747 (see note under 353.9). See also subdivision 4 under special wars in 973; e.g. Mexican war being 973.62, regimental history of that war is 973.624. See also 172.4 Ethics of war, 341.3 War in International law, 344 Martial law, 399 War customs, 623 Military engineering. For form divisions see Table 2 after Relativ index

SUMMARY

355.1 General questions Military life
.2 Military resources Recruitment and requisitions
.3 Organization of military forces Classification
.4 Tactics Strategy History of campains
.5 Training maneuvers and services
.6 Military administration and maintenance
.7 " establishments
.8 " equipment and supplies Matériel
.9 Other topics
356 Infantry Foot troops 357 Cavalry Mounted services
358 Other arms and services: artillery, engineers, special technical services, air services
359 Naval science Sea forces Marines, Coast guards, etc.

.1 General questions Military life

.11 Servis periods and retirement

.111 Length of activ service Training periods

Recall, allotment of various army classes, etc.

.112 Promotion

By seniority, by merit. See also 355.134 Military rewards

.113 Inactiv periods

Leavs, furlos; in reserv status, availability; non-activ periods, periods on half-pay; sick leavs (undergoing treatment in hospitals, sanitariums, etc.); during captivity, internment, etc., as prisoners of war (see also 365.45 Penal institutions); during imprisonment, etc.

.114 Termination of servis Resulting status

Retirement, resignation; discharge (honorable or dishonorable), reinstatement proceedings; desertion, deth, suicide, etc. Cancelation of commission, etc.

355.115 Veterans Former combattants

Old and disabld soldiers. Provision for ex-soldiers, civil employment, colonization, rehabilitation, etc. See also 351.1–.6 Civil service and pensions, 362.65 Aid in cases of infirmity

.12 Military life in peace and war

Living conditions, etc. under various military situations: in garrison or camp, in the field, on the march, during maneuvers, in battle, etc. See also 613.67 Military hygiene, 641.573 Military cookery

.13 Military honor Disciplin Remuneration

Military ethics and etiquet

.131 General questions

Ceremonies; breaches of honor; courts of honor and inquiry, judgments, penalties, disgrace, etc.

.132 Military duels

Defense and satisfaction of honor. See also 179.7 Ethics of dueling, 394.8 Dueling customs

.133 Military disciplin Offenses

Military authority and obedience. Military crimes, mutiny, looting, malingering, etc. Disciplinary organization: military police, gendarmes, provost marshals; administration of military justice. Military punishments: corporal punishment, flogging, etc.

.134 Military rewards, privileges and advantages

Special privileges; salutes; honorary insignia, brevets, decorations, medals, badges, orders, etc. (For insignia designating function and identity see 355.81) Rolls of honor (Rolls of honor of a particular war ar clast with history of that war). Gifts, booty, etc. See also 355.112 Promotion, 929.7 Military orders and nobility

.135 Remuneration

Military pay, salary. For methods and records see 355.64, pensions 351.5

.14 Uniforms

As costume. System, distinguishing rank; stile, color, esthetic considerations. Etiquet of uniforms, regulations as to what to wear under various circumstances. For administrativ aspects see 355.66, description and use 355.81

.15 Colors and standards

Flags, color guards. Limited strictly to military regulations. For functional aspects see 355.81. See also 929.9 Flags in Heraldry

.16 Military celebrations

Commemorations, anniversaries, jubilees. Celebrations relating to a particular war ar clast with history of that war

.17 Military ceremonials

355.2 Military resources Recruitment and requisitions

Discussions of value and availability of peace time national resources if needed for defense and in time of war. Legislation providing for militarization of national resources in case of need for war or defense. For administration after being taken over by the military see 355.6

.21 General questions

Preparedness, rediness of resources for mobilization; conscription of welth and property; economic preparedness; military tax; sabotage of military resources, etc.

.22 Men Recruitment

Obligations of citizens with respect to national defense; militia system, national guard. (For relations of government to maintenance of public order see 351.74 Government police mesures) Voluntary and compulsory enlistment, conscription, drafting, universal service; recruits from military schools, commissioning of officers. Foren enlistments. Exemptions, bounties, evasion of service, conscientious objectors, etc. Administration of recruiting, quota system, etc. Medical, phisical and mental examination of recruits. See also 151.2 Psicologic mesurements, 616.075 Medical diagnosis

.23 Civilian mobilization

Maintenance of war morale, information service and propaganda, censorship. Protection of civilians, feeding, remuneration for damages, etc. Duties of civilian employes, provision for civil officials. Internment of civilians and enemy aliens, civil concentration camps. For military prisons see 355.71; see also 365.45 Penal institutions

.24 Raw materials

Unprocest materials, availability, etc. for military use. Agricultural, mineral, etc.; food stufs, fuel, etc. Economic resources in general

.26 Industrial resources and mobilization

Procest materials, manufactures, provisions, etc. Availability and conscription of private enterprize, commercial and financial mobilization

.27 Transportation facilities

Roads (see also 623.62 Military roads), railways (see also 623.63 Military railways), vehicles, canals, ships, merchant marine (see also 359.27 Availability of merchant marine for naval use, 387.8 Merchant marine in general transportation). Routes of travel, distances, strategic importance, etc. Limited to peace time systems of transportation and their availability in time of military need. See also 355.43 Stretegic lines and bases

355.28 Effectiv mobilization Military requisitions

Declaration of imminence of war, application of emergency powers, calls to arms, order of call. Commandeering of animals, vehicles, forage, real property, etc. Establishment of military zones, closing frontier, etc.

.3 **Organization of military forces**

Classification of personnel

.31 Army units and organization

Constituent divisions for administrativ purposes. Armies, corps, divisions, regiments, army posts, companies, platoons, squads, etc. Special and incidental units and formations, guards, foren legion, detachments, parade and inspection units, etc. For classification according to military obligation and field of service see 355.35. For special arms see numbers for those arms, e.g. 356 Infantry, 357 Cavalry, 358 Tecnical services, artillery, etc.

.33 Officers Military hierarchy

Ranks and grades of personnel, military commissions. Commander-in-chief, hedquarters staf, inspectors, commanders, generals, captains, aides-de-camp, adjutants, etc.

.331 General questions General command

General principles of command, whether of large or smaller units. Leadership and command of troops; preparation of orders, field correspondence, passes, etc.

.338 Enlisted men Privates

For functional classification see numbers for various arms and services, e.g. 356 Infantry

.34 Special services

Outside and independent of the regular arm or grade. Officers or men detaild outside their regular grade as instructors, paymasters, quartermasters, commisary officers, color bearers, etc. Various functions common to all arms including work not strictly military. Signal and intelligence services, dispatch carriers, postal service, scouts, orderlies, drummers, buglers, etc.; spies, attachés. Accountants, carpenters, machinists, chauffeurs, tailors, cooks, librarians, etc.

.35 Armies General stafs

Clast according to military obligation and field of service. For military units see 355.31

.351 Continental or home armies

1st or front line; 2d line, reservs; 3d line, territorials, frontier troops or guards, etc.

.352 Colonial armies

Expeditionary forces, nativ troops, auxiliaries, etc.

.356 Allied forces

United forces of coalitions or alliances

.357 International armies

.358 Secret or conceald arms and armaments

355.4 **Tactics Strategy History of campains**

Plans for attack and defense. Tactics and strategy of a special arm should be clast with that arm. See also under 355.5 Practis maneuvers

.41 Logistics and field service

General details of movement and supply of armies in activ service

.411 March tactics

Tactics of troops on the move

.412 Encampment tactics

Tactics during halts, guard duty, outposts, etc.

.413 Scouting Reconnaissance Patrols

.415 General tactical services

Establishing and maintaining lines of communication, routes of travel, rates of progress, etc. (see also 623.6 Military roads and bridges in Military engineering). Maintenance of supply service, magazines, arsenals, etc. Tactics of camp organization and safety; of medical service, evacuation of wounded, etc. Establishment of telegrafic and similar connections (see also 623.7 Tecnical aspects of military signaling). Handling prisoners of war, etc.

.42 General tactics

Offensiv and defensiv tactics in time of battle. Tactics of combined arms, land and sea forces, when working together. See each arm for its peculiar tactics

.421 General questions

Command and troop liaison, tactical rides, general staf journeys, etc.

.422 General battle tactics

Offensiv and defensiv. Debarkation and landing maneuvers; skirmishing, night attacks, counter attacks, retreats; destruction of works, factories, supply depots, etc.

.423 Influence of terrain on operations

Tactics in wooded areas, inhabited regions, in the mountains, along water courses, etc. Stream crossing, etc.

.424 Use of various auxiliary means

Temporary fortifications, trenches, bridges, special means of communication, balloons, dogs, pigeons, etc.

.425 Guerrilla warfare

Indian fighting, etc.

.426 Riot duty Street fighting

Civil warfare

.427 Colonial tactics

355.43 Strategy

General military planning. Plan of concentration, arrangement and deployment of troops. Strategic lines and bases (see also 355.27 General transportation facilities). Strategy of offensiv and defensiv operations, means of diverting attack of enemy, smoke screens, camouflage, etc. Evaluation of forces, study of terrain, influence of morale, determining proper moment to strike, calculating duration of war, etc.

.44 Siege warfare

Attack and defense of towns, fortificd places, etc. Investment, blockade, bombardment, assault, mine warfare, etc. For engineering aspects see 623.2–.3

.45 National defense

Fortified defensiv positions and zones, barrier forts, etc. Military division of territory; distribution, location and placement of troops, garrisons. Defense of industrial areas, fronters, coasts; provision of zones of inundation, flooding, etc.

.47 Military geografy

Geografic works written from military point of view and works on strategic conditions in particular theaters of operation. Preservation of military charts, etc. Divided like 930–999, e.g. 355.4773 Military geografy of U. S.

.48 Military history

Tecnical accounts and analises of special wars, campains, battles and military events; including similar discussions of imaginary wars and battles. In general preferably clast with wars to which they belong in 930–999

.5 Training maneuvers and services

Instruction of troops and subaltern grades, military practis and games

.51 General questions

General garrison and field service, mobilization maneuvers, demobilization, etc.

.52 Grand maneuvers Instruction camps

War games with 2 'armies', maneuvers of combined arms. Maneuver and dril grounds, field exercises. Concentration tests, fortress maneuvers, etc.

.53 Special formations and maneuvers common to various units

Tactical exercizes in the field or over irregular terrain. General formations: march, assembly, combat, parade, bivouac, etc. formations. Embarkation, marching, halting, etc. maneuvers. Safety and reconnaissance practis. Offensiv and defensiv maneuvers: pursuit, retreat, renewal of supplies, etc.

355.54 Elementary training of units Tactical exercizes for recruits

See also numbers for separate arms in 356–359

.541 Foot maneuvers

With or without arms, executing the manual of arms, target practis, small arms practis, rifle ranges. See also 623.44 Small arms in Military engineering, 796 Athletic sports and games

.542 Mounted and motorized maneuvers

With or without arms, manual of arms for mounted troops, practis with saber, lance, etc.

.543 Artillery maneuvers

Artillery ranges and practis firing. See also 623.4–.5 Artillery and Gunnery in Military engineering

.544 Camp and fortification operations

Field engineering, castremetation, camp making (see also 623.613 Military establishments in Military engineering). Temporary fortifications, accessory defenses, batteries, obstacles, demolition and repair. Field kitchens, etc.

.55 Officers' maneuvers and exercizes

Staf field exercizes. Theoretic problems, map and chart maneuvers; military operations workt out with miniature apparatus, counters, colord disks, etc.

.58 Maneuvers involving the civil population

Safety activities, warning and intelligence service, blackout, rescue maneuvers, demonstrations, etc.

.6 Military administration and maintenance

Clas here only the workings and direction of central administrativ services. For personnel and organization of these services for special arms see appropriate subdivisions under each arm in 356–359

.61 General questions

Interior administration, adjutant's dept, civil employes, etc. Record keeping, filing systems, paper work in general. General correspondence, issuance of orders, authorization of expenditures, adjustments, etc.

.62 Execution of administrativ mesures

Contracts, accounting (financial, materials)

.63 Control and supervizion

General administrativ inspection service and organization. Intendance and commissariat in general

355.64 Paymaster's department

Administration of pay, allowances, pensions, etc. For pension systems see 351.5, pay systems 355.135

.65 Subsistance department

Administration of food supply service, marketing, rationing, distribution, etc.

.66 Clothing and equipment department

For uniforms as costume see 355.14, description and use 355.81

.67 Lodging administration

Provision of quarters, maintenance and upkeep, heating, lighting, ventilation, etc.

.68 Animals

General administration

.69 Other administrativ services

Transportation maintenance, etc.

.7 Military establishments

Organization and service of permanent and quasi-permanent building groups as military units; including private establishments performing military functions and contracts. See also 358.36 Military construction services, 359.7 Naval establishments, 623.6 Military establishments in Engineering, 725.18 Architecture of military buildings

.71 Cantonments Lodgings for troops

Barracks, military hedquarters, posts, school groups, camps, billeting arrangements, military prisons, lodging equipment, etc. For civil concentration and internment camps see 355.23. See also 365.45 Penal institutions

.72 Sanitary and medical establishments

Hospitals, infirmaries, sanitariums, etc.

.73 Artillery establishments

Arsenals, military foundries and workshops, munitions factories, matériel depots, powder factories and magazines, target ranges and proving grounds, artillery schools, etc. See also 623.47 Arsenals in Military engineering

.74 Engineering establishments

General shops and factories, depots and testing grounds for engineering materials

.75 Administrativ establishments

Subsistance and general equipment establishments; bakeries, kitchens, provision and fodder storehouses, supply farms, water supply, clothing manufacture and repair establishments, etc.

355.8 Military equipment and supplies Matériel

Military stores, description, issue and use; quartermaster's dept, etc. For equipment of a particular arm see number for that arm in 356–359

.81 Clothing Camp equipment

Uniforms and other wearing apparel, hed coverings, buttons, shoes, leggings, underwear, functional insignia, etc. (for decorativ and honorary insignia see 355.134; see also 355.14 Uniforms as costume, etiquet of uniforms, 355.66 Administrativ aspects). Accouterments, canteen, knapsacks, baggage, etc. Camp equipage, everything necessary for camping, tentage, field kits, bedding, rations, stoves, cooking and mes utensils (see also 641.573 Military cookery); camp flags, colors and insignia identifying various units, etc. (see also 355.15 Flag regulations)

.82 Arms and ammunition

Administrativ questions; working and reserv supply, storage, issue, etc. For mecanism and relativ efficiency of different kinds see 623.4

.83 Transport equipment

Wagons and other vehicles, harness and other accessories. Packing and shipment of goods. Transport trains, sled and pack trains, etc. Railroads, troop ships, transport planes, etc. Mecanical transportation, motor transportation, tractors, etc. Artillery vehicles, including the guns themselvs. Pontoons, boats, ambulances, etc. Skates, skis, snowshoes, etc. Transport animals, horses, mules, camels, elefants, dogs, etc.

.84 Pioneering tools

Digging and intrenching tools. Tools for preparing roadways, cutting thru forests, etc.

.85 Nonpioneering tools and instruments

Communications equipment, etc.

.86 Recreational equipment

Athletic equipment, musical instruments, etc.

.87 Archival and documentary materials

Materials for record keeping, printed forms, etc.

.9 Other topics

356 **Infantry Foot troops**

.1 General questions

Personnel and organization

.11 Main infantry units

Infantry of the line; light, mounted, cyclist, etc. infantry; foot chasseurs; shock, etc. units; mecanized infantry

.12 Colonial infantry

.13 Organizations eventually subject to mobilization

Firemen, customs officials, foresters and other government services specially liable to infantry service. Reservs, national guard infantry, etc.

.14 Volunteer corps

.15 Irregular troops

'Corps francs' existing only during war; self-organized infantry; guerillas, brigand troops, etc.

.16 Infantry units performing special functions

Fusiliers, grenadiers, sharpshooters, machine gunners, scouts, etc. Alpin, parachute, ski, etc. units

.18 Tactics and maneuvers Equipment

Dril regulations, infantry manual of arms. Marching, stream crossing; firing, musketry, small arms practis and inspection, etc. Infantry equipment, clothing, arms, bayonets, swords, pistols, etc. (see also 355.8 Military equipment and supplies in general)

.2 Staf and special services

Personnel and organization. Staf officers, adjutants, assistants, aides, etc. Staf clerks, secretaries, etc. Intelligence services, espionage, information, records, etc. Special tecnical and scientific services, cifers, etc. Staf activities during maneuvers, field service, etc. Chancery and protocol services, etc. See also special tecnical services in 358.3

.3 Administrativ staf and auxiliary services

Personnel and organization. Intendance, sanitary service, recruiting, etc. See also 355.6 General military administration

357 **Cavalry Mounted services**

Special mounted troops outside the other regular arms and general questions concerning animals in army service ar included here

.1 General questions

Personnel and organization

.11 Main cavalry units

Cavalry of the line; hevy, reserv, light, etc. cavalry. For mecanized cavalry see 357.5

357.12 Colonial cavalry

.14 Volunteer cavalry

.15 Irregular "

Guerilla, brigand, etc. cavalry

.16 Cavalry units performing special functions

Cuirassiers, carbineers, lancers, hussars, mounted chasseurs, dragoons, cavalry pioneers, etc.

.17 Cavalry and draft animals

Horses, mules, oxen, camels, elefants, etc. For administrativ functions see 355.68, remount service and training 357.2

.18 Tactics and maneuvers Equipment

Cavalry manual of arms. Stream crossing; cavalry outposts, reconnaissance; cavalry field service; firing instructions, cavalry sword exercizes, etc. Cavalry equipment, uniforms, arms, etc. (see also 355.8 Military equipment and supplies in general)

.2 Remount and training services Breeding establishments

Personnel and organization. Securing and training cavalry mounts; training camps, equitation; remount depots, breeding, care, etc.

.3 Army equipment train

Personnel, organization, establishments; provision and munition columns, etc.

.5 Mecanized cavalry

Cyclist, motorcicle, automobile, etc. cavalry. Tecnical corps; fuel and other supplies. See also 358.1 Tanks, armord cars, etc.

.7 Cavalry staf and special services

.8 Administrativ staf and auxiliary services

358 Other arms and services

Artillery, engineers, tecnical services, etc. Personnel, organization, equipment, tactics, etc.

.1 Artillery

Types of artillery units: field, mountain, coast, antiaircraft, etc. Combat vehicles: tanks, armord cars, etc. (see also 357.5 Mecanized cavalry). Artillery tenders and auxiliary services. Artillery animals, motorized artillery, etc. For ordnance, gunnery, etc. see 623.4–.5 Military engineering

.2 Engineers

Pioneers, sappers, miners, bridge and road engineers, railroad units, torpedo units, etc. Communications services: telegrafists, signalers, radio operators, searchlight engineers, etc. Electricians, etc. See also 623 Military engineering

358.3 Special tecnical services

Military artisans; services connected with manufacture of war matériel, munitions, powder, etc.; with construction of military buildings, camouflage service, etc. 358.31–.37 may be divided like 623 for services not otherwize specially provided for, e.g. 358.36 Military construction services, 358.377 Camouflage services. In general prefer 623 Military engineering. See also 355.7 Military establishments

.4 Air service

As separate service, or connected with army or navy. Personnel, organization, equipment, tactics, etc. Aeronautic establishments, airfields, etc. See also 623.74 Military aeronautics, 629.13 Aeronautic engineering

359 **Naval science Sea forces**

For Navy dept of U. S. see 353.7, of other countries use 067 following appropriate geografic subdivisions of 354, e.g. 354.42067 Navy dept of England. See also subdivision 5 under special wars in 973; e.g. naval units in Mexican war 973.625. For naval affairs considerd in conjunction with generâl military science see various subdivisions under 355; see also note under 355. See also 527 Navigation, 613.68 Naval hygiene, 623.8 Naval architecture. For form divisions see Table 2 after Relativ index

.1–.8 may be divided so far as applicable like 355.1–.8; e.g.

359.3 Organization of naval forces

.31 Naval units: Fleets, squadrons, flotillas, etc. Crews, divisions, gun crews, etc.

.32 Special types of ships

.33 Naval hierarchy, officers: Fleet commander, admirals, rear admirals, captains, lieutenants, ensigns, midshipmen, warrant officers, boatswains, petty officers, etc.

.338 Enlisted sailors

.35 Navies: Clast according to military obligation and service. Main fleets; reserv, auxiliary and colonial fleets; coast defense, landing forces, etc.

.5 Naval training maneuvers

.54 Training ships

.9 Other topics Special services

.96 Marines Naval infantry

.97 Coast guards

In time of war. For Coast guards in general see 351.792

.98 Special tecnical services

.981 **Naval artillery**

.982 " **engineers**

360 Welfare and social associations and institutions

This covers what is best known as "Charities and corrections," and general works on this topic go in 360. Under each section .9 is used as in 362.9, for grouping by location; e. g. Clubs of London ar 367.9421

Clas under 360 all which concerns welfare work, insurance, and associations having a social caracter and not devoted to some special field. Those devoted to some special field (religious, commercial, scientific, art, sporting, literary etc.) ar clast under their own subject divisions. See also 060 General societies; 334 Cooperativ societies

361 Charitable

See also 377.7 Charity schools. For humane societies see 179.2

.01 **Principles of welfare work**

Responsibility, charity, philanthropy, mutual aid

.1 **Medical aid in general**

Medicin for poor; free medicin; medical and pharamceutic aid

See also 362.1 Hospitals for sick and wounded

.2 **Aid according to place where given**

In country or city, at home or in institutions

.3 **Aid according to person resieving**

See also 362

.4 **Aid according to kind**

Funeral expenses

.5 **Certain exceptional cases**

Calamities, disasters, plagues

.51 Earthquakes

.52 Floods

.53 War

.54 Epidemics

.55 Famine

.56 Fire

.6 **Official or public aid in general**

.7 **Private aid in general**

.73 Contributions Charity entertainments

.8 **Charity organization**

United work; cooperation and association of charitable works: charity information bureaus

362 Hospitals, asylums, and allied societies

.01 **Discussions of purpose, nature and caracter**

.1 **Sick and wounded**

See also 361.1 Medical aid in general

.11 General hospitals Contagious wards, pesthouses

Infirmaries

Treatment at hospitals

.12 Dispensaries

.13 Sanitariums and bath establishments

Special sanitariums: for incurables, cancer patients, lepers, epileptics, consumptivs, inebriates. Sanitariums at high altitudes. Baths and watercures. Establishments for sea baths

362.14 Medical cases treated at home
.145 **Distribution of medicins**
.15 Maternity hospitals
Institutions for women in confinement and for infants
See also 362.72 Institutions for foundlings
.16 Convalescents
.18 Wounded and disabled City ambulances
See also 614.88 Life saving
.19 Other
.196–.198 divided like 616–618
E.g. 362.1973 Orthopedic hospitals
.2 Insane
For other relations see Insane, Insanity in Relativ index following Tables
.3 **Idiotic Imbeciles Feebleminded**
For other relations see Idiocy, Idiots, in Relativ index
.4 **Blind Def Dum**
See also 371.91 Education
.5 **Paupers Poor**
For other relations see Pauperism, Paupers, in Relativ index
51 Beggary Vagrancy Poorhouses
.52 Lodgings for poor
Dormitories, warm halls. Work in return for lodgings
.53 Money aid
Charity bureaus. Right of poor to be helpt. Savings funds
.535 **Taxation of poor**
.536 **Loans Loan funds for the needy**
.54 Aid thru necessaries and conveniences
Distribution of food, clothing and fuel. Cooperativ kitchens, ovens, stoves
See also 331.835 Popular restaurants
.55 Marriage Dowry Legitimation
.56 Free colonies: pauper or workmen's
.57 Land privilege
Lots for cultivation
.6 **Aged Infirm Bereft**
.61 Homes for the aged
.62 Retiring pensions
Funds for retirement and aid. Mutual aid funds
.625 **For widows and orfans**
.65 Infirm Aid in case of infirmity
.67 Deth: aid to survivors; widows, dependents
See also 362.625 Pensions for windows and orfans, 362.7 Aid to children
.7 **Childhood and youth: aid, protection, support**
Child welfare See also ethics, 179.2 Cruelty
See also 331.3 Child labor; 331.86 Apprentisship; 372.2 Kindergartens
.71 Nurslings
Giving over nurslings to 3d party. Crèches. Protection of infants
See also 362.15 Maternity hospitals
.72 Natural children Foundlings
.73 Orfans Orfan asylums Adoption and help
.74 Children neglected, illtreated, perverted
See also 179.2 Cruelty to children
.75 Various classes of children
Children of soldiers, sailors, public offisers

362.76 School enterprizes
.761 **Distribution of food at school**
Cooperativ children's kitchens; pupils' lunch rooms; soup for pupils
.764 **Distribution of books and school supplies**
.766 **School patronage**
.77 Distribution of clothing
.78 Sick and crippld children
Special hospitals and sanitariums for children
.8 **Other**
.9 **Special countries**
Divided like 930–999; e. g. 362.942 Hospitals of England

363 Political

Tammany, Primrose leag, Ku Klux, etc.

364 Reformatory organizations and activities Criminology

See also 312.7 Moral condition of population, 343 Criminal law, criminal trials and procedure; 347.9 General and civil courts; 351.74 Police mesures; 352.2 Local police. For form divisions see Table 2 after Relativ index

SUMMARY

.1 **General questions**
.2 **Crime: nature, character, causes**
.3 **Criminal classes Offenders Delinquents**
.4 **Crime prevention**
.5 **Reformatory and correctional courts**
.6 " **mesures Parole Probation**
.7 " **institutions**
.8 **Discharged convicts**
.9 **In special countries**

.1 General questions

.2 Crime

Nature, character, causes, definitions of crime. Popular and general discussions of the problem of crime. See also 364.34 Criminal responsibility

.21 General questions
Increase of crime, crime waves, lawlessness, etc.

.22 Phisical environment and crime
Ecology of crime. Crime and topografy, climate, seasons, time of day, light and darkness, etc.

.23 Heredity and crime
Atavism and hereditary degeneration, family degeneration and crime. See also 364.253 Degenerate homes and crime, 575 Evolution, 613.9 Hygiene and heredity

364.24 Individual factors and crime

.241 General questions

.242 Phisical factors and crime

Stigmata of crime. Influence of anatomic, phisiologic and hygienic factors (see also 364.333 Criminal phisiognomy and anatomy). Crime and age, sex, disease and deformity, etc.

.243 Abnormal mental factors and crime

Mental superiority, genius and crime; mental inferiority, insanity, feeblemindedness and crime. Crime and hypnotism, somnambulism, passion, etc. See also 132 Abnormal psicology, mental derangements; 134 Hypnotism; 135.5 Somnambulism; 157.4 Passions· 364.34 Criminal psicology

.25 Social factors and crime

.251 General questions

.252 Social progress and crime

Civilization and crime, influence of simple v. complex cultures. Legislation and crime, attitude of public, defectiv administration of criminal justice, special types of laws and crime (see also 364.44 Law enforcement). Science and crime

.253 Social environment and crime

Density of population. Conditions in home and family: housing, overcrowded homes, size of family; degenerate homes (see also 364.23 Degeneration and crime); marital status and relation of parents, broken homes; employd mothers, dependent children, lack of parental control, illegitimacy, etc. Conditions in neighborhood, community influence. Influence of correctional institutions (see also 364.7648 Effects of reformatories, 365.648 Effects of prisons and jails)

.254 Cultural factors and crime

Religion and crime. Education and crime: literacy, illiteracy; school retardation; lack of character training in home and school (see also 379.21 Education). The pres and crime (see also 070.11 Journalism). Theater and crime: motion pictures, etc. (see also 792 Theater). Art and literature and crime (see also 365.88 Prisons in literature)

.255 Leisure and recreation and crime

Influence of playgrounds, sports, amusement and public parks; public dance halls, cabarets, etc.; pool-rooms, school stores, automobiles; absence of places of recreation, public and commercial. For theater and crime see 364.254

.256 Social conflicts and crime

Individual social maladjustments; immigration and crime (see also 325.1 Immigration); clas hatreds (see also 323.3 Social groups), vendettas, feuds; racial conflicts (see also 323.1 Racial groups, 364.335 Race and crime)

364.257 Influence of war and militarism
Post-war effects

.258 Politics and crime
Theories of government and crime. See also 365.1 Politics and penal institutions

.259 Other social factors

.26 Economic factors and crime
Influence of mode of production: capitalistic, socialistic, etc.; of occupation: special industries, child labor and crime (see also 331.3 Labor of children); of business cycles and economic crises; of labor disputes and strikes (see also 331.89 Disagreements between capital and labor); of unemployment (see also 331.137 Unemployment); of economic status: poverty, pauperism, welth (see also 339.1 Poverty, 339.4 Use of welth); of standards and cost of living, wages, struggle for existence (see also 331.2 Remuneration for work, 331.831 Cost of living); etc.

.28 Cost of crime
See also 365.63 Cost of institutional treatment

.3 Criminal classes Offenders Delinquents
Studies of inmates of correctional institutions. For criminals clast by cause see 364.2, kinds of penal institutions see 365.3

.301 Theory

4 Language Nomenclature
Including language of criminal classes, criminal argot, slang, etc.

8 Scientific methods of studying offenders
Psicologic methods, mental testing (see also 151.2 Psicologic mesurements, 364.34 Criminal psicology), psichiatric and psicoanalitic methods. Phisiologic diagnosis (see also 616.075 Pathology). Social case or autobiografic method, individual case study. Anthropologic, biologic or eugenic, ecologic (environmental studies), statistical, etc. methods

.31 General questions

.32 " types of criminals
Recidivists, repeaters, habitual and professional criminals. Occasional criminals, single offenders (1 crime). Criminals by accident. Evolutiv criminals, persons conscientiously at variance with prevailing opinion or custom

.33 Criminal anthropology
See also 572 Anthropology, 573 Somatology

.331 General questions

.332 The criminal type

.333 Criminal phisiognomy and anatomy
See also 364.242 Anatomic factors of crime

.334 Criminal anthropometry
See also 573.6 Anthropometry in general

.335 Criminal ethnografy Race Nationality
See also 364.256 Racial conflicts and crime

364.34 Criminal psicology

Psicology of a specific type of criminal is best clast with that type. Criminal responsibility, social accountability, freedom and determinism in crime (see also 364.2 Crime: nature, character, causes). Growth of idea of committing crime. Psicologic effect of treatment, effect of punishment, reformatory mesures, etc. Criminal personality, traits: intellectual, moral, esthetic (tattooing, etc.), social, etc. See also 130 and 150 Psicology; 364.243 Abnormal mental factors and crime; 364.3018 Psicologic methods of studying offenders

.35 Predelinquents Predelinquency

Potential, near and quasidelinquents

.36 Juvenil delinquents and delinquency Incorrigibility

Jails and juvenil offenders, studies of juvenil inmates of correctional institutions. See also 136.763 Childstudy, 364.52 Juvenil courts, 364.624 Parole for juvenil offenders, 364.634 Probation for juvenil offenders, 364.722 Reformatory institutions for juvenils, 365.42 Prisons for juvenil offenders

.361 General questions

.362 Truants Truancy

Prefer 371.52 Truancy, from point of view of education. See also 364.722 Truant schools

.363 Boys Gangs

Studies of boy inmates of correctional institutions. See also 136.77 Childstudy

.364 Girls Gangs

Studies of girl inmates of correctional institutions. See also 136.775 Childstudy

.37 Adult offenders

.371 General questions

See also 364.723 Reformatory institutions for adults

.372 Men offenders

Studies of men inmates of correctional and penal institutions

.373 Women offenders

Studies of women inmates of correctional and penal institutions. See also 365.43 Prisons for women offenders

.374 Groups of offenders

Organized, criminal gangs (for boy gangs see 364.363, girl gangs 364.364); unorganized, crowds, mobs

.38 Offenders by type of crime committed

See also 343 Criminal law, crimes

.39 Other topics

364.4 Crime prevention

.41 General questions

.42 Control of population

Control of number of people: size of family, birth control (for birth control see 173.3 Ethics, 612.63 Phisiology, 613.94 Eugenics); control of immigration and emigration (see also 325 Immigration and emigration). Control of quality of people: thru negativ or positiv eugenics (see also 613.94 Eugenics); thru sterilization, etc. (see also in Phisiology 612.6161 and 612.6211); thru segregation. See also 312 Demografy

.43 Control of economic conditions

Thru amelioration of unemployment, provision against absolute need, vocational guidance for children, etc.

.44 Socialization of fundamental institutions

Home and family; school and education, provision for normal children and those handicapt phisically, mentally, socially, etc.; church and religion; community and neighborhood; playground and amusements; the pres; government and law, law enforcement (see also 364.252 Influence of special types of laws on crime), control of drugs and alcohol, scientific legislation

.45 Social adjustment of children Child guidance

Thru work of clinics, visiting teachers, family case work, etc.

.46 Preventiv police work

.47 Rational treatment of offenders

.48 Cooperation of public

Enlightend public opinion; crime prevention by employers

.49 Other

.5 Reformatory and correctional courts

Activities, procedures, etc. For criminal court activities see 343. See also numbers for specific types of offenders, juvenil, adult

.51 General questions

.52 Juvenil or children's courts

See also 364.36 Juvenil delinquents, 364.634 Probation of juvenil offenders

.521 General questions

.522 Functions Powers Jurisdiction

.523 Administration

Organization, personnel: judges, referees, social workers, clinicians (phisicians, psichiatrists, etc.); supervizion, standards. For probation officers see 364.632

.524 Laws and legislation

.525 Practis and procedure

Process before hearing, treatment by police; detention of juvenil offenders (see also 364.36 Jails and juvenil offenders, 365.34 Detention houses); clinic treatment of offenders; hearing and disposition of case

.526 Records

Systems, forms, record writing

.527 Results Defects Reforms

.528 Relations with other agencies

With the home, foster homes, children's homes; school, church, community, social agencies, police, other courts, etc.

.529 Other topics

.53 Domestic relations courts Family courts

364.6 Reformatory mesures Clemency

See also numbers for specific types of offenders, juvenil, adult

.61 General questions

.612 Personnel

Boards, commissions, departments, etc. Agents, officers, etc.

.613 Administration

Legal basis, rules and regulations, terms; standards and standardization; preliminary work; selection and assignment of beneficiaries, diagnosis of offenders, grading systems; supervizion of beneficiaries, state and local; records and reports; violation, revocation, etc. of privileges; etc.

.614 For special classes

Juvenils: boys, girls; adults: men, women; 1st offenders

.615 Beneficiaries

Studies of, etc.

.616 Cooperation with public and private social agencies

.617 Results

.618 Defects

.619 Other topics

.62 Parole Indeterminate sentence

Ticket of leav

.621 General questions

.622–.629 divided like 364.612–.619

E.g. 364.623 Administration of parole system

.63 Probation Suspended sentence Repriev

See also 364.52 Juvenil courts

.631 General questions

.632–.639 divided like 634.612–.619

Clas parental control in 364.634 Probation for juvenils

.64 Pardon Amnesty

.65 Commutation of sentence

.7 Reformatory and correctional institutions

See also 365 Penal institutions

.71 General questions

.72 Types

.722 Institutions for juvenils

Houses of refuge; reform, industrial or training schools. Truant schools, parental schools (see also 364.362 Truants, truancy; 371.52 Truancy in Education). Junior republics, colonies (see also 371.595 School city, school republic). See also 364.36 Juvenil offenders, 371.93 Education of juvenil delinquents

.723 Institutions for adults

Magdalen houses, training schools, etc. See also 364.37 Adult offenders

.724 Houses of correction

364.75 Reformatory plant: grounds, buildings, equipment

Divided like 365.5, e.g. 364.753 Types of reformatory buildings. For Reformatory architecture see 725.63–.64

.76 Reformatory administration

Divided like 365.6, e.g. 364.765 Employment of inmates. See also 331.52 Reformatory labor in Labor economics, 364.253 Influence of correctional institutions on crime

.77 Reformatory reform

.78 Relations to other subjects

May be divided like the whole classification, e.g. 364.788 Reformatories in literature

.8 Discharged convicts and delinquents

Aftercare, postprison treatment. For release from prison see 365.647

.9 In special countries

Divided like 930–999, e.g. 364.932 Criminology in ancient Egypt

365 Penal institutions Prisoners

See also 343.2 Punishments for crime, pardons, 364.7 Reformatory and correctional institutions. For form divisions see Table 2 after Relativ index

SUMMARY

.1 General questions
.2 Prison systems
.3 Kinds of penal institutions
.4 Prisons for special classes
.5 Prison plant
.6 " administration
.7 " reform
.8 Relations to other subjects
.9 In special countries

.1 General questions

Politics and penal institutions. See also 364.258 Politics and crime

.2 Prison systems

For reformatory prisons see 364.7. See also 365.53 Types of buildings

.21 General questions

.22 Penal servitude Galleys

See also 365.65 Punitiv labor

.23 Congregate system

.24 Solitary or separate confinement (Pennsylvania) system

Dungeon, cellular, etc. systems

.25 Silent or Auburn system

Congregate for work, cellular for lodging

.26 Progressiv or intermediate stage system

Irish or Crofton system

365.3 Kinds of penal institutions

See also 364.3 Studies of inmates of penal institutions

.32 Prisons Penitentiaries

For commitment of major offenders

.33 Jails

For commitment of minor offenders and confinement pending trial

.34 Detention and station houses

Police stations or lock-ups. See also 364.525 Detention of juvenil offenders

.35 Workhouses

See also 362.51 Poorhouses

.36 Penal or prison farms Penal colonies Road camps

.4 Prisons for special classes of offenders

Including separate quarters. See also 365.642 Classification and assignment of prisoners

.42 Juvenil offenders

Including special provision for 1st offenders. See also 364.36 Juvenil offenders in general

.43 Women offenders

See also 364.373 Women offenders in general

.44 Insane and mentally defectiv criminals

.45 Prisoners of war

Combatants; noncombatants, civilians; internment camps. See also 355.113 Life in military prisons, 355.23 Civil concentration camps, 355.71 Military prisons

.46 Political prisoners

.47 Dettors

.5 Prison plant: grounds, buildings, equipment

For prison architecture see 725.6

.51 General questions

.52 Location Site

Urban, suburban, rural

.53 Types of buildings

Congregate or Auburn type; solitary confinement plan; circular cel block; army barracks, dormitory and cottage types; etc. See also 365.2 Prison systems

365.54 Special rooms and separate buildings

Administrativ units: Offices, receiving rooms, classification rooms, etc. Housing quarters for staf and for prisoners. Dining rooms, mes halls. Welfare units: school, chapel, hospital, recreation rooms, social service offices, etc. Factories, industrial buildings. Farm buildings. Utility rooms, etc.

.55 Heating and ventilation Air conditioning

See also 697 Heating and ventilation in general

.56 Lighting

See also 628.9 Lighting in general

.57 Prison hygiene Sanitation

See also 613.57 General hygiene, 628 Sanitary engineering

.58 Equipment: furnishings, fixtures, etc.

.59 Other topics

.6 Prison administration

Control and supervizion of correctional institutions

.61 General questions

.62 " supervizory and control agencies

Inspectors

.63 Prison organization

Personnel (training, selection, salary, etc.): superintendent, stewards, guards, etc.; phisicians, etc.; office force, clerks, messengers, etc.; kitchen and dining room employes; janitorial force, etc. Management, economic aspects, cost of institutional treatment (see also 364.28 Cost of crime). Record keeping, accounting (see also 657 Accounting)

.64 Prisoners

.641 General questions

Institutional treatment in general, individualization of treatment

.642 Transportation and reception of prisoners Classification

Registration, photografing, fingerprinting, etc.; assignment of prisoners. See also 365.4 Prisons for special classes of offenders

.643 Disciplin

Rules and regulations, laws, prison routine. Rights of convicts; hours for rizing, meals, work, etc.; permissible articles, restrictions, etc.; privileges; merit systems, etc.

365.644 Punishments of refractory prisoners
Deprivations, los of privileges; confinement; corporal punishments, tredmil, etc. See also 365.65 Punitiv labor
.645 Spy system 'Stool pigeon'
.646 Inmate self-government
.647 Release and discharge from prison
For aftercare see 364.8 Discharged convicts
.648 Effects of prisons
See also 364.253 Influence of correctional institutions on crime
.649 Other topics
.65 Employment of inmates Convict labor Prison labor
Organization, foremen. Unproductiv or punitiv labor (see also 365.22 Galleys, 365.644 Tredmil). Productiv labor: special industries, economic aspects, convict v. free labor, interstate commerce in prison products. Systems of prison labor: lease system, chain gangs; contract, etc.; use on public works and ways. Remuneration, arguments for (support of families, etc.), against. Convict-labor laws and legislation. See also 331.51 Prison labor in Labor economics
.66 Welfare work Socializing activities
.661 General questions
Prison welfare or social workers in general
.662 Prison educational work Prison schools
Teaching personnel; university extension work (see also 374.4 Correspondence teaching), etc. Academic, vocational or phisical training. Prison libraries (see also 027.665 Libraries for prisons). See also 371.93 Education of criminals
.663 Religious and character training in prison
Chaplains; religious services; citizenship training (see also 323.6 Citizenship). See also 377.2 Ethical education
.664 Helth and care of inmates
Diet; clothing, uniforms; personal hygiene of inmates, etc. Prison clinics and laboratories; medical and hospital service. Care of special patients: drug addicts, tuberculous, mental defectivs, etc. See also 613 Hygiene
.665 Recreation
Recreation directors; sports: baseball, tennis, etc.; entertainments: theatricals, drama, motion pictures, music, prison bands, etc.
.7 **Prison reform**
.8 **Relations to other subjects**
May be divided like the whole classification, e.g. 365.88 Prisons in literature. See also 364.254 Literature and crime
.9 **In special countries**
Divided like 930–999, e.g. 365.42 Prisons in England

366 Secret societies

.1 Masons .2 Knights of Pythias .3 Odd Fellows .4 Rosicrucians

See also 371.85 College secret societies

367 Social clubs

368 Insurance

See also 334.3 Cooperativ insurance

.01 Theory Scientific basis of insurance

Probabilities. Statistics. Tables: value, use

.1 **Fire**

See also 614.84 Protection against fire

.2 **Marine Transportation**

.3 **Life**

.31 Rates

.37 Annuities

See also 336.35 Public annuities; 519.5 Probabilities

.4 **Social insurance Workmen's insurance**

See also 331.254 Insurance for laboring classes

.41 Accident Liability

.42 Sickness

.424 Maternity insurance

.43 Old age Invalidity

.44 Involuntary unemployment

.45 Burial

.46 Child insurance

.47 Marriage endowment

.5 **Casualty**

Agricultural

368.6 **Against breakage or damage**
Glas
.7 **Boiler**
.8 **Other risks**
.81 Financial losses
Depreciation of values or rights; mortgages; land titles; transferable securities; credit; insolvency; civil responsibility; etc.
.82 Burglary Theft
.86 Reinsurance Counterinsurance
.91 **Government control Commissioners**
.93-.99 divided geograficly like 930–999; e. g. Insurance in New York (including state reports, etc.) is 368.9747

369 Other associations and institutions

.1 **Hereditary and patriotic societies (American)**
.11 General associations
.111 Regular army and navy union
.112 Society of veterans of the regular army and navy
.113 Military and naval order of the United States
.114 Medal of honor legion
.115 Military order of foren wars of the United States
.116 Order of the old gard
Incorporated 31 Jan. 1896; organized 15 Oct. 1896
.117 Naval order of the United States
.118 Society of American wars
.119
.12 **Colonial societies**
.121 Society of colonial wars
.122 Society of colonial dames of America
A New York society with chapters in other states; known also merely as Colonial dames of America
.123 National society of colonial dames of America
A federation of separately incorporated societies in about 40 different states
.124 Society of the Mayflower descendants
.125 Order of the founders and patriots of America
.126 Colonial order of the acorn
.127 " society of Pennsylvania
.128 " daughters of the 17th century
.129
.13 **Revolutionary societies**
.131 Society of the Cincinnati
.132 Society of the daughters of the Cincinnati
.133 Sons of the American revolution
.134 Sons of the revolution
.135 Daughters of the American revolution
.136 Daughters of the revolution
.137 Children of the American revolution
.14
.141 Society of the war of 1812
.142 United States daughters of 1776–1812
.143 Military society of the war of 1812
.144 Society of the second war with Great Britain in the state of New York

369.145 Aztec club of 1847
.146 National association of veterans of the Mexican war
.147
.148
.149
.15 Civil war societies, Union
.151 G. A. R. (Grand army of the republic)
.152 Military order of the Loyal legion
.153 Society of loyal volunteers
.154 Union veterans union
.155 Union prisoners of war association
.156 Society of the army and navy of the Gulf
.157 National association of naval veterans
.158 Society of the army of the Cumberland
.159
.16
.161 Woman's relief corps
.162 Woman's veteran relief union
.163
.164
.165 Sons of union veterans of the civil war
Formerly called Sons of veterans of the United States of America

.17 Civil war associations, Confederate
.171 Confederate survivors association
.172 Confederate veterans association
.173 United sons of confederate veterans
.174 " confederate veterans
.175 Daughters of the confederacy
.18
.181 Spanish war veterans
.182 Society of the army of Santiago de Cuba
.183 Naval and military order of the Spanish American war
.184
.185
.186 Societies arising from World war of 1914–19
1 American legion

.2 Hereditary and patriotic societies other than American

.21 International
.23-.29 By country
Divided like 930–999

369.4 **Young peoples societies**

For religious societies see 267.6

.41 **Mixt: boys and girls**

.42 Boys

See also 136.77 The 'gang'

.43 Boy scouts

.46 Girls

.47 Campfire girls

370 Education

Disciplin in broad sense

SUMMARY

371 Teachers Methods Disciplin
- .1 Teaching and administrativ personnel
- .2 School organization, administration and supervizion School records
- .3 Methods of instruction and study
- .4 Sistems of education
- .5 Government Disciplin Authority
- .6 School premises and equipment
- .7 " hygiene Physical welfare of students
- .8 Student life and customs
- .9 Education of special classes

372 Elementary education
373 Secondary Preparatory
374 Adult education
375 Curriculum Course of study
376 Education of women
377 Religious, ethical and secular education
378 Colleges and universities
379 Public schools Relation of state to education

.1 **Theory of education Meaning Aim Value**

Including philosofy of education, science of education and general discussions of the means by which education is advanst. Not limited to any curriculum, school or clas of schools. For specific methods, pedagogics, see 371

.109 History of educational theory

Divided like 930-999

.15 Psychology applied to education

Imitation, suggestion, play etc. Divided like 150
e.g. function of memory in education 370.154

.16 Miscellaneous theories

.19 Special aspects .193 Educational sociology

.2 **Compends**

.3 **Dictionaries Cyclopedias**

.4 **Essays Addresses**

.5 **Periodicals**

General. For periodicals limited to a special topic see that topic; e.g. kindergarten magazines 372.205. See also 371.805, 378.05

.58 Annuals Directories Catalogs

General; including discussions as to form and content of such publications. When devoted to a special topic clas with that topic, e. g. an annual devoted to kindergartens 372.2058. A catalog of a specific school is clast under number for that school

.59 Educational almanacs and kalendars for teachers

.6 **Organizations Conventions**

.61

.62 Associations Clubs

Permanent societies, their meetings and reports. Divided like 930–999
See also 371.103 Parent-teacher associations; 372.206 Kindergarten associations

.621 International

.63 Congresses Conventions

Occasional congresses and conferences: international or interstate

370.7 **Study of education Institutions and organizations for training teachers, supervizors, superintendents etc**

Means and methods, including teachers colleges, normal schools, institutes etc. For need of training, kind and amount, see 371.12

.71 Teachers meetings

Clas meetings of teachers of a single institution (faculty meetings) with the institution; see table for school and college publications under 378.4–.9

.711 Plan and organization

Frequency, time, place, control, cost etc

.712 Courses of study Programs

.713–9 In special places

Divided geograficly like 930–999

.72 Teachers institutes

Divided like 370.71 above

.73 Teachers colleges Normal schools

Institutions primarily for training teachers; e. g. state normal schools, Teachers college of Columbia university; often with attacht ' model ', practis or demonstration schools, in which students teach under supervizion of their instructors. For training classes or courses attacht to schools not conducted primarily for training teachers etc see 370.75

.731 Plan and organization Aims and functions Scope

Length and time of terms. Support: public, private.

.732 Courses Programs Credentials

2 **Courses and programs**

4 **Credentials**

Diplomas, degrees etc

6 **Training for special grades of schools**

Uze as general number. Each of following grades may be divided by 2 and 4 like .7322–4 above

62 Elementary schools

See also 372.207 Training for kindergartners

63 Secondary schools

64 Colleges and universities

65 Professional and teknical schools

.733 Adjuncts: practis, model or demonstration schools

.734–9 Special countries and schools

Divided geograficly like 940–999

.74 Education museums

Including exhibits at international expositions, state and county fairs, etc

.75 Training classes

Clas here teachers classes or courses attacht to schools conducted primarily for another purpose than training teachers. For institutions conducted primarily for training teachers see 370.73

.753 In secondary schools

.754 " colleges and universities

.755 " professional and teknical schools

Mainly courses in teaching special professional and teknical subjects

.76 Schools of education (also courses) for training supervizors, superintendents, administrativ offisers, etc

Harvard graduate school of education

.766 Training for special grades of schools

Divided like 370.7326

.77 Special pedagogic methods

Professionalization of subject matter

.78 Reserch in education

Educational reserch organizations. Reserch on special subject is clast with subject

370.8 **Polygrafy**

.81 Collected writings of a single author

If not limited to a definit topic; e.g. Horace Mann, Henry Barnard, etc

.82 Collected writings of several authors

.9 **History Description**

General works covering both ancient and modern history, and including history of institutions, practis, and description of conditions. See also 136.791 The child among uncivilized and semicivilized peoples

.901 Ancient

.902 Medieval

.903 Modern

.904 **20th century-**

.92 Educational biografy

Preferably clast in 923.7

.93-.99 History of education in special countries

Divided like 930-999

.9401 **Medieval Europe**

.9402 **Modern Europe**

371 Teachers Methods Disciplin

Practical methods. See 370.1 for theories of education. The following divisions concern instruction of all grades

.1 Teaching and administrativ personnel

Teachers, professors, masters, instructors; administrativ and supervizory offisers (principals, superintendents, supervizors etc) other than governmental. See also 370.7 Training of teachers, 371.2 School administration, 379.15 Governmental school supervizion. For discussions relating specificly to men vs women see 371.18

.101 **Duties and responsibilities Mission**

Team work. Students rights

.102 **Personal influence**

.103 **Relations to parents**

Mutual duties of parents and teachers. Parent-teacher associations

.104 **Relations to community Public status**

.105 **Social status**

.11 Qualifications Personality

See also 371.18

.12 Need of training; kind and amount

General discussions of special preparation of teachers and professors for their vocation, including experience and growth or improvement while in servis. For training of teachers etc, defined in degrees, courses etc see 370.732

.13 Examination Certification Rating

.132 **Examination**

.133 **Certification Registration**

Certificates, licenses, permits

.134 **Rating Rating scales Standards**

371.14 Appointment Organization of teaching force
.142 **Appointment Contracts Tenure Transfer Discharge**
2 Appointment Election
3 Contracts
4 Tenure
5 Transfer Exchange
See also 378.12 Exchange of professors
6 Ending servis
62 Discharge Dismissal
63 Resignation
64 Retirement
.143 **Appointing body**
Board, committee, principal
.145 **Agencies**
Bureaus and associations for supplying teachers
.147 **Organization of teaching force**
2 Supervizors Principals Superintendents Hedmasters
For principals and superintendents as appointing offisers see 371.143 for supervizors as governmental offisers, state and county superintendents, etc see 379.15
3 Clas teachers Instructors Professors Masters
For private instruction, tutors, governesses etc see 373.1; for college and university faculty, professors etc see 378.1
.15 Professional status
Permanent profession vs steppingstone theory
.16 Salary and promotion Compensation Amount of servis
For pensions and insurance see 371.17
.161 **Salary**
2 Increases
4 Bonuses
.162 **Fees**
.163 **Allowance for expenses**
.164 **Residence Living expenses**
.165 **Promotion Advance in rank**
For salary promotion see 371.161
.166 **Hours Daily or weekly servis**
.167 **Vacation Yearly servis**
.168 **Sabbatic year**
.17 Pensions and insurance for teachers
Carnegie pension fund

371.18 Men vs women as teachers

.182 **Men as teachers**

Need and place of men on teaching force

1 General considerations

2 Personal relations Qualifications Personality

Subdivisions 1–5 may be added, corresponding to 371.101–.105

3 By grades and types of schools

31 In primary schools and kindergartens

32 " grammar or intermediate schools

33 " secondary or high schools

34 " colleges and universities

35 " professional and teknical schools

36 " girls schools

37 " boys "

38 " evening schools

.183 **Women as teachers**

Feminization of teaching force. Divided like 371.182

.19 Other topics

.2 School organization, administration and supervizion School records

Statistics. Publicity. Diary. 'Logbook.' Progress book. For general discussions; records of an individual school ar clast with that school. For administrativ and supervizory personnel other than governmental see 371.1472. For government of students, disciplin, see 371.5. For government supervizior see 379.15

.21 Admission Enrolment Matriculation

For college entrance requirements see 371.214. Standards of an individual school ar clast with that school

.211 **Primary school and kindergarten standards**

Divided like 930–999

.212 **Grammar or intermediate school admission standards**

Including standards of German bürgerschulen. Divided like 930–999

.213 **Highschool standards**

Including standards of German gymnasia, French collèges and lycées. Divided like 930–999

.214 **College standards**

Undergraduate and nonprofessional graduate courses in colleges and universities. Divided like 930–999

.215 **Professional and teknical school standards**

Divided like 930–999

.22 Tuition fees Free tuition Scholarships

See also 371.162 Professors fees; 379.13 Tuition fees of nonresident pupils in public schools; 378.34 College scholarships

.221 **Free tuition**

.222 **Scholarship funds Student endowments**

Student scholarships

See also 378.32 Endowment of reserch, 378.34 College scholarships

.223 **Traveling scholarships**

See also 378.34 Traveling scholarships in colleges and universities

.226 **Student income and expenses**

For income and expenses of college students see 378.36

371.23 Terms Semesters Quarters Vacations Holidays Breaking up

See also Hygiene of vacations and holidays 613.76, 613.77; Closing for diseases 371.712

.232 **Summer or vacation schools**

See also 374.8 Adult summer schools, 378.142 College and university summer schools

.234 **Terms in 2 or more places**

For floating schools see 371.392

.24 Sessions Hours Recess

For exercize see 371.73 Care of body

.25 Classes Grades

For general discussions of size of clas, ungraded classes, provision for individual differences by special classes or groups. For individual instruction see 371.394. For psychology of individual differences see 136.7

Childstudy. For grading of schools, see 379.17

.253 **Length of school courses; e. g. 6 year course**

See also 378.241 Length of college course

.26 Marking sistems Educational mesurements and tests

Credit sistem: meaning and value of unit, semester, hour etc. For intelligence tests see 151.2

.27 Examinations: oral, written Cramming

See also 428.9 Language

For competitiv examinations see 371.535

.28 Promotions Demotions Retardation

.29 Other topics

.291 **Ending student connection**

See also 371.56

2 Graduation Commencements Diplomas

May be subdivided like 371.21. See also 378.2 College degrees

3 Student mortality Dropping out

.3 **Methods of instruction and study**

Under the heds below clas discussion of pedagogic value of these methods. For methods of teaching specific subjects see those subjects; for their educational value see 375 Curriculum, e. g. teaching of mathematics 510.7, place of mathematics in curriculum 375.51

.31 Rote or concert teaching

.32 Textbooks Recitations

Collateral reading. Assignments. Home work. Discussion of use of textbooks and desirable qualities of textbooks in general. Textbooks themselvs and discussions of textbooks on special subjects ar clast with those subjects. Recitation as method in which pupil lerns and recites an assignd lesson; for broad sense as including all types of clasroom activity see 371.3

371.33 Lectures Oral and visual instruction

.332 **Assemblies Opening exercizes Dramatization**
As methods of instruction

2 Assemblies Opening exercizes
Home room activities as methods of instruction. See also 371.892 Student assemblies

5 Dramatization
Dramatic method in education. See also 371.895 School plays

.333 **Mecanical oral instruction**
Radio, broadcasting; phonograf, etc.

8 Applications and relations
Divided like the whole clasification

.335 **Visual instruction Lantern slides Moving pictures**

1 General questions
2 Pictures
22 Stereopticon lantern and slides
23 Motion pictures
3 Charts
4 Maps
5 Blackboard
8 Television

.34 Developing or inductiv method

.35 Art of questioning Catechetic method Socratic method

.36 Project method Topical method

.363 **Correlation**

.365 **Special days Special weeks**
Celebrations. Programs. Historical days: Discovery day, Flag day, Memorial day, Constitution day, Independence day. Birthdays: authors and other noted persons; Washington's birthday. Nature: Arbor day, Bird day. Other: Thanksgiving, Christmas, Easter etc

.37 Seminary method Seminar Discussion

.38 Laboratory method

.39 Other

.391 **International schools Exchange of pupils**
See also 371.1425 Exchange of teachers, 378.12 Exchange of professors

.392 **Floating schools or colleges**
Combining travel and shipboard instruction

.393 **Trips Excursions Visits**

.394 **Individual instruction**
By regular teacher or tutor, at home or at school. Batavia sistem. Dalton plan, Winnetka plan, Pueblo plan etc. See also 373.1 Private instruction

.395 **Small classes**
See also 371.47 Quincy sistem

371.4 Sistems of education

For Fröbel's sistem see 372.2 Kindergarten

.41 Monitorial sistem Mutual sistem

Bell. Lancaster

.42 Educational guidance Vocational guidance and training

.421 General questions

.422 Student personnel work

.425 Vocational guidance

Clas here also works on choice of vocation, even tho not made under school direction

.426 Industrial education Manual training

For equipment and cost of manual training schools or departments see 371.623 Machine shops, 371.676 Apparatus etc. For subjects of study see 375.01–.9. For individual schools see 607 or 378.99

1 Educational value

2 In elementary schools

3 " secondary schools

4 " special schools

5 " colleges

8 Special subjects

Material on the various vocational subjects taught may be kept together here, .82–.89 being divided like 620–690, and, for material not thus provided for, .81 being uzed, subdivided like main clasification; but in general practis such material is better clast under other numbers, i. e. place of these subjects in the curriculum 375.01–.9, elementary manual training 372.5, skild work under number for special subject

9 History and development

Divided like 930-999

.43 Military organization Military instruction

.44 Pestalozzian

Clas here all Pestalozzi's educational writings

.45 Jacotot

.46

.47 Quincy sistem

.5 Government Disciplin Authority

.51 Rules

52 Attendance Truancy Tardiness Absences

Clas data relating to special school with number for that school. See also 379.23 Compulsory education

.53 Rewards Inducements

Prizes, favors, immunities, approbation, interest

.535 Interschool contests

Competitiv examinations. Literary contests. For interschool and intercollegiate debates see 374.245. For interschool athletics see 371.75

371.54 Punishment Disciplinary penalties
Limits of school jurisdiction. Disciplin of consequences

.55 Corporal punishment

.56 Other punishments
Confinement; tasks; expulsion; suspension; discharge; probation

.57 Personnel responsible for disciplin Monitors

.58 Moral government Alcott sistem

.59 Student self government College sistems

.592 Self government

.593 Participation in school management

.595 School city Ray sistem

.6 School premises and equipment

.61 Grounds Site
School playgrounds; athletic fields, stadiums

.62 Bildings
Requirements peculiar to schools. See also 727 Architecture of educational institutions. The following subdivisions apply to both special rooms and separate bildings

.621 Study, lecture and assembly rooms

.622 Library Museums
Art, science etc. See also 022 Library bildings; 371.64 Function of school libraries; 021.3 Relation of libraries and schools; 027.7 and 027.82 Reports of college and school libraries

.623 Laboratories Observatory Machine shop
See also 542.1 Chemic laboratories; 522.1 Observatories; 371.66 Scientific apparatus and supplies

.624 Gymnasium Swimming pool
See also 725.85

.625 Other special rooms or bildings
Dormitories, clubs, infirmaries, Y M C A and Y W C A

.626 Sanitation Lavatories

.627 Lighting

8 Fireproofing

.628 Heating Ventilation

.629 Accessories
Elevators, lifts, telefones etc

371.63 Furnishing and decoration

.631 Furniture

Blackboards, desks, chairs, benches. For globes and maps see 371.6791

.632 Musical instruments

.633 Floors: bare, coverd

See also 721.6 Architectural construction
022.96 Library bildings
645.1 House decoration

.634 Walls: tints, covering

.635 Decoration

See also 729 Architectural decoration

.636 Pictures Frescos Glas

.637 Sculpture

.638 Plants

.639 Other decoration

.64 Libraries

Caracter and functions. For relation to public library see 021.3; for relation to other school rooms and bildings see 371.622. See also 027.7 College libraries, 027.82 School libraries

.641 Relations of library to faculty and students

.642 School traveling libraries

.643 School reading lists

See also 028.5 Reading of young

.644

.645 Elementary school libraries

.646 Secondary school libraries

.647 College and university libraries

Departmental and seminar libraries

.648 Professional and teknical school libraries

In 371.645–.648 may be clast matter pertaining to desirability and scope of such libraries, tho it is better in 027.7 and 027.82, with reports and other matter pertaining to their management

.65 Museums: caracter and functions

Divided if wisht like 010–999: e.g. 371.655 Science museums; 371.657 Art museums. Limited to caracter and functions of museums attacht to teaching institutions; see also under museum economy 069.015–.016. See also 708 Art museums, and form division 074 under special subjects

.66 Scientific apparatus Laboratory equipment and supplies

Divided like 500; e.g. 371.662 Astronomic observatory

.67 Other apparatus, equipment and supplies

Divided if wisht like 010–999; e. g. 371.6791 Globes, maps etc

371.7 **School hygiene Physical welfare of students**

.71 Helth and safety of students Overstudy Fatigue

.711 **Sanitary conditions and inspection Helth crusades**

Board of helth. For sanitary engineer's side see 371.626

.712 **Medical inspection Clinics School nurse**

For personal conditions affecting helth and intellectual progress; e.g. clenliness, contagious diseases, nervous disorders, defectiv eyes, ears or teeth. Closing schools on account of epidemic or contagious diseases

.713 **Posture**

See also 371.631 Furniture (illdesignd desks and seats)

.714 **Fire preventiv and protectiv mesures Fire drils**

For fireproof schoolrooms and bildings see 371.6278; for fire protection apparatus see 371.629. See also 614.84 Fires: prevention, extinction, apparatus etc

.716 **School meals**

Discussion. Administrativ problems: space, cost, whether wholly or partly free, etc. For management of lunch room, suitable food, etc see 642.58

.718 **Open air schools**

.72 Care of eyes Effect of study

.73 Care of body Gymnastics Calisthenics

For sistems of gymnastics or physical training, and books of exercizes see 613.71

.731 **Educational influence of physical training**

.732 **Gymnastics Calisthenics**

2 In elementary schools

3 " secondary schools

4 " colleges

5 " special schools

6 " girls schools

7 " boys "

8 " evening schools

.733 **Military dril**

For military organization of school see 371.43

.734 **Fencing Boxing Wrestling**

.735 **Swimming Bathing**

.736 **Riding**

.737 **Walking School promenades**

.74 Recreations Games etc Athletics Diversions

See also 371.61 School playgrounds; 613.74 Hygiene of play; 796 Outdoor sports

.75 Championship games Boat races Interschool athletics

For other relations see Games in Relativ index following Tables

371.8 Student life and customs

Various aspects of student life and student activities outside regular courses of study

See also 784.62 Student songs; 378.29 College costumes

.805 Student periodicals

Discussion here. Periodicals themselvs preferably with their schools

.81 Student ethics Student honor Honor sistem

Ethical topics relating distinctly to school life; e. g. cribbing, cheating, copying, prompting, use of keys and ponies. Ethics of general application ar clast in 170

.82 Fagging and hazing Bullying German student duels

.83 Student organizations

Clas under 371.83–.84 books covering both secret and nonsecret societies, also nonsecret societies only

.836 Ancient student societies

.837 Medieval

.838 Modern

.839 By country

Divided like 930–999

.84 By subject

Divided like main clasification, e.g. 371.845 Scientific, 371.848 Literary. See note under 371.83

.85 Secret societies

Clas all college chapters here, thus bringing the fraternity together, with reference from the college. See also 366 Secret societies

.851 General

.852 Honorary

Phi Beta Kappa etc

.854 By subject

Divided like main clasification. Clas here (in preference to 371.855–.856) men's or women's secret societies, limited by special subject

.855 Men's societies Fraternities

.856 Women's " Sororities

.857 Highschool

.86 Society premises Society houses Halls Temples etc

.87 Student houses Lodgings Dormitories

.88 Commons Student restaurants Eating clubs

.89 Other topics

Celebrations, customs, triumfs, burnings, anniversaries, ceremonious receptions, student banquets, etc

.892 Student assemblies

See also 371.332 School assemblies as method of instruction

.895 School plays Pageants

Divided by language like 400; e.g. 2 English, 3 German

.896 Clas days

Of special institution, with institution

.898 Colors Cheers

Of special institution with institution

371.9 **Education of special classes**

General questions; kind and methods of education for these classes. For institutions see 362, 364. For study of abnormal children see 136.76 Combinations of mentally defectiv with either physically or morally defectiv ar clast in 371.92

.91 Physically defectiv

See also 362.4 Asylums for blind and def

.911 **Blind**

See also 655.38 Printing for the blind

.912 **Def**

Finger alfabet

.913 **Blind-def**

.916 **Crippld**

.917 **Feeblebodied**

See also 371.718 Open air schools

.92 Mentally and morally abnormal

.922 **Mentally defectiv**

See also 362.3 Idiot asylums, 920.8 Lives of idiots, cranks etc

.927 **Speech defectivs**

See also 808.5 Elocution; 784.93 Vocal culture

.93 **Morally defectiv** **Delinquents**

See also 364 Reformatories, Criminal classes

.94 Border line cases

.95 Supernormal

.955 **Exceptionals** **Gifted children** **Precocity**

.96 Social classes

See also 375.007 Courses for different social classes

.961 **Princes**

.962 **Nobles**

.963 **Aristocracy** **Welthy clas** **Gentry**

.964 **Middle clas**

.965 **Working clas**

.966 **Dependents**

See also 362 Hospitals, asylums and allied societies

5 Paupers

See also 377.7 Charity schools, 379.22 Illiteracy and pauperism

.97 Special types

See also 136.77 Boys, the 'gang'

.974 **Freedmen** **Negroes**

See also 378.75–.76 for degree conferring colleges

.975 **Indians**

.976 **Orientals**

.98 Special nationalities

Special schools for foreners; e.g. French, Hungarians, Russians, Japanese in United States. Divided like 930–999, e.g. 371.9844 Special schools for French

.99 Coeducation of races

372 Elementary education

Methods. Curriculum. Primary schools. Dame schools. Infant schools (under 7 years). Preschool education. For Day nurseries, crêches see 362.71; for Minding schools see 362 75

.01 **Pedagogics and didactics of elementary schools**

.1 Childstudy

May be uzed like 136.7 by those who insist on having childstudy with education

.2 Types of elementary schools **Kindergarten**

Preschool education, infant schools. Individual schools may be clast with their respectiv types, dividing after 09 like 930–999, or groupt together under 372.9. See also 371.44 Pestalozzian, for theory and erly history. Put Fröbel's work and development of his sistem here

.201 **Theory** **Principles**

.202

.203

.204 **Essays**

.205 **Periodicals**

.206 **Societies**

.207 **Training of kindergartners**

.208

.209 **History**

Divided if wisht like 930–999

.21 Methods

.211 **Gifts** **Occupations**

.212 Gifts

.213 Occupations

.214 **Stories**

.215 **Songs** **Games**

2 Songs

3 Games

.22 Influence of kindergarten

.23 Relation to other schools

.24 Other types of elementary schools

.241 **Primary schools**

Dame schools, ABC schools, petty schools

2 Nursery schools

.242 **Grammar or intermediate schools**

Common school education, higher elementary schools

.3 **Sensory training** **Observing powers**

Object teaching; science

.31 Methods

Montessori

.35 Nature study

Divided like 500–599; e.g. Birds 372.35982

.36 Gardening

372.4 **Reading Alfabet Fonics and word methods Spelling**

See also 428.6 Elementary readers

.45 Simultaneous teaching of reading, writing and spelling

.5 **Elementary writing and manual work**

See also 741 Freehand drawing

.51 Writing

First efforts, imitating printed roman letters

.52 Drawing Design

See also 741 Drawing

.53 Clay modeling

.54 Sewing etc

.55 Elementary basketry, weaving and braiding

.6 **Elementary grammar Language lessons**

See also 400 Philology, subdivision 8 under each language

.61 Mother tung National language

.65 Second language

.7 **Elementary arithmetic**

Including mental arithmetic. See also 511. For Abacus see 511.2

.8 **Other studies**

Divided if wisht like 010–999; e.g. 372.82 Religion

.891 Elementary geografy

See also 910.7. Elementary textbooks may be put with their subjects, but a primer of geografy is more useful to a student of elementary schools and methods than to one interested in Geografy, Description and Travel. Text books, except primary, go with their subjects

.9 **Special countries and schools: history, reports, catalogs etc**

Divided like 930–999; e.g. 372.942 English elementary schools. Put here elementary schools whether public, endowd or private

373 Secondary Preparatory

Academic; highschools; junior highschools. Clas here discussions of general theories, methods, curriculums etc pertaining specificly to secondary education, regardless of source of support. Clas here also all private or endowd secondary schools for boys or both sexes; all public (taxsupported) secondary schools for boys or both sexes may be clast here or in 379.4–.9; all elementary schools (regardless of support) in 372.9, all schools and colleges solely for women in 376, and all colleges for men or coeducation in 378. Clas methods and questions peculiar to monastic, diocesan and parochial schools in 377, but clas the schools themselvs in 372, 373, 378 etc, according to their grades. For specific topics see 371

.1 **Private instruction: tutor, governess, coach**

.11 Relativ advantages of instruction at home and in school

See also 371.394 Individual instruction

373.2 Types of secondary schools

Individual schools may be clast with their respectiv types, dividing after 09 like 930–999, or in 373.4–.9 or 379.4–.9

.22 Day schools Boarding schools

.222 Day schools

.223 Boarding schools

.23 As to organization

.232 4-year highschools

.234 6- " "

.236 Junior "

.238 Senior "

.24 As to curriculum

.241 Academic

.242 Classical

Latin etc highschools

.243–.249 Other types by subject

May be divided like 300–900, e.g.

373.24355 Military; see also 371.43

.245 Scientific, or scientific and teknical combined

.246 Industrial, vocational; see also 371.42

5 Commercial

.3–.9 Special countries and schools: history, reports, catalogs etc

Divided like 930–999; e. g. 373.42 Higher English schools, Eton, Harrow etc

374 Adult education

Home education. Self education and culture. Cultural, personal aspect of education

Subdivided by 0 with form numbers if wisht; e.g. 374.05 magazines pertaining to this work, 374.06 Conferences, conventions, institutes, general meetings

The term Adult education covers the broad field of self education thru private reading, study clubs and reading circles, summer, vacation, evening and correspondence schools, lecture courses and other forms of extension teaching and other agencies for extending more widely opportunities and facilities for education outside the usual teaching institutions

For relations of this work to libraries, the natural centers for such activities, see 021.2. See also 378.13 University extension

With or without personal guidance

.1 Solitary study Private reading Conversation

Advantages to be derived from reading. Study alone with or without aid of reading lists, syllabuses etc. Development of effectiv reading

Reading lists themselvs, syllabuses and other aids to study belong with other bibliografies (016) or with compends under their subjects. They may, however, if preferd, be kept together under 374.19, divided like the clasification; e.g. syllabus on English history 374.19942; on library economy 374.1902

See 028, for preparation of guides, policy, methods etc

For vocational guidance see 371.425

374.2 **Associated study Clubs**

.21 Study clubs

Clas here 'travel clubs' which study about places without traveling to see them. See also 374.25

.22 Reading circles Book and periodical clubs

.23 Lyceums Literary clubs

.24 Debating societies Oratoric clubs

.245 **Interschool and intercollegiate debates**

For interschool literary contests see 371.535

.25 Traveling clubs · Educational value of travel

Clubs which travel for education. See also 371.392, 371.393, 374.21

.28 Community centers

Whole community as a club of varied interests. Put here discussion of use of school bildings for various community purposes

.3 *With personal guidance*

Either alone or in groups, clubs or classes

.4 **Correspondence teaching Manuscript aids**

Clas here works on value, history and methods of correspondence teaching; also printed general correspondence courses. Courses on special subjects ar better clast with their subjects

.43 Societies for encouraging home study

.44–.49 Correspondence schools

General schools divided like 940–999. Special schools ar better clast with their subject, with only a reference here: e.g. correspondence schools of agriculture 630.714

.5 **Lectures**

Discussion of lectures as a method of education, either as single lectures, or as a series of lectures on different subjects; lists of lectures; courses on the same subject unsupported by any other of the 7 factors of a complete extension course: i.e.

1	Lectures	3	Clas	5	Guided reading	7	Examination
2	Syllabus	4	Papers	6	Club		

Lectures themselvs, whether issued separately or in collections, ar clast with subject treated

.6 **Extension courses Lecture study**

.62 Lecture study

3 or more lectures on the same subject, with 2 or more of the 7 factors

.64 Extension courses

5 or more lectures on the same subject with 4 or more of the 7 factors. For extension courses taken for credit under college or university auspices see 378.13

.8 **Continuation schools**

Summer, winter, vacation, night (adult) etc. German auxiliary schools. Divided like 930–999. For public (taxsupported) evening or night schools see also 379.19

.9 **Central organizations State departments Institutes**

For encouragement of self education, e.g. N Y state library extension division, Brooklyn institute, Cooper institute, Chautauqua etc. May be divided like 930–999

375 Curriculum Course of study

Clas here general discussions of principles and methods of curriculum construction. Curriculums for special kinds of schools or on special subjects ar better clast with those schools or subjects; e.g. 373 High-school curriculum; 375.9 History course

.001 Order of studies

.002 Single course Mandatory studies Required courses

.003 Parallel courses

.004 Optional courses Electiv sistem

.005 Balanst courses Group sistem

Special topics

.006 Overcrowding curriculum Coordination of studies

Economy in curriculum. Minimum essentials

.007 Courses for different classes of society

Liberal education. Relativ value of studies

1 For bredwinning vs culture

2 Failure of course to develop efficiency

.008 Courses for schools of special kinds

Clas here general discussions only. Clas material relating to special schools or special kinds of schools under their respectiv clas numbers

.009 Courses for institutions in special countries

Divided like 930–999. See also 379.4–.9

.01–.9 Subjects of study

Divided like the clasification 010–999; e.g. 375.5 Place of science in the curriculum, 375.84 French literature in the curriculum, 375.88 Classics in the curriculum

Methods of teaching individual subjects, also textbooks, may be kept witn educational literature by adding letters to 375 as follows: A general, B educational value of specific subjects, C place in curriculum, D methods of teaching specific subjects, E textbooks;

e.g. 375.32 B Educational value of political science

375.32 C Place of political science in the curriculum

376 Education of women

See also 396.4

.1 Physical capacity of women

.2 Mental capacity of women

See also 136.1 Mental caracteristics as influenst by sex

.3 Home or domestic instruction

By tutor or governess. See also 374

.4 Fashionable education 'Finishing' schools

Discussion. For prospectuses, catalogs etc see 376.9

.5 Convent education

Discussion. For prospectuses, catalogs etc see 376.9

.6 Higher education of women

Secondary and college

.63 Secondary: preparatory schools for girls

All between elementary and college. Discussion. Girls taxsupported high-schools may be clast in 376.9 or 379.4–.9; for private preparatory schools see 376.9

.64 Influence of college education on women

Duties of college women as such

.66 Associations of college women

Association of collegiate alumnae. Alumnae of a single college with that college

376.7 **Coeducation Segregation Separation**

Discussion of collegiate education of women in separate institutions or those for both sexes, whether in the same or separate classes. See 378 for coeducational institutions, 376.8 for separately organized women's colleges, either affiliated like Barnard and Radcliffe or independent like Vassar, Smith etc
Clas here by attraction general discussion of coeducation of sexes in college and secondary school

.8 **Colleges for women**

Divided like 930–999. Degreeconferring colleges go here. Arrange material of each college by ' Table for school and college publications ' following 378.99. All other schools for women go in 376.9 or 379.4–.9

.9 **Special countries and schools: history, reports, catalogs etc**

Divided like 930–999; e.g. 376.943 Education of women in Germany

377 Religious, ethical and secular education

Interrelations of these types of education. Miscellaneous educational activities of religious and charitable organizations, regardless of place, time or subject, except religious instruction. For inculcation as wel as actual teaching of definit ethical or religious doctrins see 375; e.g. instruction in duties of citizenship, patriotism 375.1721 course in Christian evidences 375.239. Clas catalogs, history etc of a denominational school regardless of religious affiliation, in 372, 373, 376, 378, according to grade or type of school, but clas here books dealing in general with schools of a certain denomination or order; e.g. educational sistem of the Jesuits 377.35. For training for religious work as a profession see 207; for parish educational work under direction of pastor see 257; for religious instruction by Y M C A see 267.352 Religious department, 267.3572 Religious work in Boys department; for religious instruction by Y W C A see 267.552 Religious department, 267.5572 Religious work in Girls department; for Sunday and week day schools for religious instruction see 268

.1 **Religious instruction Bible in public schools**

Discussion of sectarian instruction or influence in public schools or in non-sectarian private schools, public school teachers in religious garb, conscience clause of English elementary school code, weekday religious education. See also note under 377

.2 **Ethical education**

Ethical training, without religious teaching, as advocated by ethical societies
See also 170.7 Study of ethics; 375.17 Place of ethics in curriculum

.3 **Monastic or abbey schools**

Écoles congréganistes. Divided like 271. See also 271 Religious orders; 376.5 Convent education of girls

.4 **Diocesan schools Cathedral schools**

Domschulen, stiftschulen

.5 **Parochial schools**

See also 257 Parish educational work

.6 **Missionary schools**

Establishment and conduct of schools as part of mission work. See also 266 Missions

.7 **Charity schools**

Mainly for elementary education. See also charitable institutions 362.76

377.8 **Christian church and education**

Divided like 280; e.g. 377.82 Relation of Roman catholic church to education. Discussion of denominational schools or educational associations, e.g. 377.82 Association of Catholic colleges of United States
See also 261.5 Church and intellectual development

.9 **Nonchristian religions and education**

Divided like 290; e.g. 377.97 Relation of Mohammedanism to education

378 Colleges and universities

With power to confer degrees; also junior colleges. For men only or for both sexes. For women's colleges see 376.8
Methods and curriculum. For full table of form divisions see Table 2 after Relativ index

.01 Definition of college and university Aim

Advantages and influence of college training; e.g. on business capacity

.014 College terminology 'Slang'

Including also student slang. See also 427, 437 etc

.05 Academic periodicals

Periodicals devoted to college and university interests. Those issued by colleges, schools etc ar scatterd either by subject or under college numbers

.06 General college associations

Association of New England colleges. See also 370.6

.068 Associated alumni University clubs

For alumni associations of any one college, see T under college number

.069 Duties of college men as such

Obligations imposed by their greater knowledge

.1 **Organization Government Location Scope, field**

Classes, colleges, graduate departments, etc

.11 Administrativ offisers

President, deans etc

.113 **Disciplinary offisers Judicial corps University court**

.12 Teaching staf Faculty

Exchange of professors. For qualifications see 371.11

.121 **Freedom of teaching**

See also political science, 323.444

.13 University extension

Conducted by universities. See also 374

.14 College year Summer or vacation instruction All the year session

.142 **Summer or vacation instruction**

.15 Size Location Grade

.152 **Large vs small**

.153 **City vs country colleges**

.154 **Advanst or senior colleges Junior colleges**

2 Advanst or senior colleges

3 Junior colleges

.155 **Departments**

2 Undergraduate

3 Graduate

378.2 Academic degrees and costume College colors
See also 614.21 Medical degrees

Degrees

.21 Degree conferring body and powers
College, university or state. See also 614.21 State regulation of medical education

.22 Graded degrees
Pas, honor, cum laude, magna cum laude, etc

.23 Degrees in course
Advanst degrees conferd at specified periods on graduates in good standing, without evidence of advanst attainments

.24 Degrees for completion of courses
With or without examination

.241 Time and residence required Length of college course

.242 Subjects allowable for liberal degree
Whether teknical courses should be credited toward liberal degrees; theses

.243 Differentiation of degrees: B A, B S, B L, etc

.244 Degrees on examination
With or without residence

.25 Honorary degrees

.26 Degrees by purchase or forgery
Bogus degrees

Insignia

.27 Seal Coat of arms Motto

.28 Colors: institution and clas College flags

.29 Academic gowns and hoods

.3 Endowment of reserch Fellowships Scholarships Student aid

.31 Higher educational foundations and endowments
See also 371.222 Student endowments in general

.32 Endowment of reserch
Carnegie institution. Rockefeller institute. Incentivs to reserch. Prizes. Opportunities for reserch. Nobel prizes. Competitions

.33 Fellowships

.34 Scholarships
Rhodes scholarships. Traveling scholarships

.35

.36 Student income and expenses

.362 Loan funds Student aid societies

.364 College employment bureaus Faculty committees
Other organizations for securing work for students

.365 Student ernings
Working way thru college. Ways of erning

.368 Student expenses: extravagance, economy

378.4–.98 Special countries and colleges: history, reports, catalogs etc.

For women's colleges see 376.8

Divided like 940–998; e.g. 378.42 English universities, 378.741 Maine colleges The various colleges of any section may be given each a number or be arranged alfabeticly. Under each college arrange publications by the following table, placing these letters *after* the letter (or letter and figures) uzed to designate the college; e.g. a history of Harvard college would be markt 378.744 HE, and a second history would be numberd 378.744 HE1. The practical convenience of this plan outweighs the objection that it introduces clasification into the book numbers

If preferd, colleg es and universities may be arranged alfabeticly under continent number, insted of be ing clast first by country or state; e.g. European universities under 378.4 in alfab etic order regardless of country, United States colleges and universities all in one alfabet under 378.73

.99 Professional, teknical and other special schools Professional education

Best kept with subject, but may be compactly groupt here. Divided like the clasification: e.g. 378.992 Theologic schools, 378.9934 Law schools, 378.9961 Medical schools

TABLE FOR SCHOOL AND COLLEGE PUBLICATIONS

A Charter and statutes
B Trustees Regents Resolutions, reports etc
C Administration President, chancellor Reports etc
D Finances Tresurer's reports
E History Foundation, growth etc
F Biografy Necrology
G General catalogs Triennials etc
H Annual catalogs Attendance, registers etc
I Handbooks Circulars of information
J Bulletins Official periodicals
K Commencements, inaugurals etc Baccalaureate and other addresses
L Programs Tickets Memorabilia
M Faculty (as a body) Publications Regulations Certificates for admission
N Lectures Clas manuals Examination questions
O Student theses Orations, essays etc
P Student catalogs Society annuals, etc
Q Student periodicals
R Student societies, including periodicals
S Student miscellany Songs Clas day, etc
T Alumni Societies, committees etc
U Classes Histories, records etc
V Pictures Clas albums
W Bildings and grounds Descriptions, maps etc
Z Schools: divinity, law, medical etc

Better clast with subject; e.g. Divinity schools 207

379 Public schools Relation of state to education

.1 **Public school sistem**

.11 School funds School finance Cost to public

.12 National and state aid to education

.121 **Public aid to schools**

Exemption vs taxation

2 Public

3 Private

4 Sectarian

5 Nonsectarian

.123 **Land grants**

See also 336.14 Public finance

.124 **Subsidies**

.13 Local support

Taxation. Bonds. Endowment. Nonresident tuition. See also 336.28 Taxation

.14 School laws and regulations Divided like 930–999

School age. Working permits

.15 School supervizion and control: national, state and local Centralization

Standardization of schools. For school administrativ offisers see 371.1472

.151 **National**

.152 **State: department, inspectors etc**

.153 **Local: superintendent, school committee, board**

Supplies, free textbooks, etc. For school meals see 371.716. For school superintendents, principals, supervizors etc, as administrativ offisers employd by local authorities, see 371.1472

2 County

County school superintendent, etc

3 Township

4 City District Ward

Local school board, etc

.154 **Individual: parents and others**

.156 **State textbooks**

379.16 Public colleges and universities: national, state and local

Only discussion here; for individual colleges see 378.4–.9

.17 Secondary and elementary schools

Discussion

.171 **Highschools Academies**

6-year highschools, junior highschools, etc. Clas individual schools in 379.4–.9; or, if preferd, in 373 Secondary schools for boys or both sexes, 376.9 Girls secondary schools

.172 **Grammar or elementary schools**

Clas individual schools in 372; see note under 372.2

.173 **Rural schools**

Village schools. Clas individual schools according to grade or type in 372, 373, 376.9 or 379.4–.9

.175 **Central plan Consolidated schools Conveying pupils**

2 Conveying pupils

.18 Primary schools Kindergartens

Questions of public maintenance. Clas individual schools in 372; see note under 372.2

.19 Part time schools Evening schools

See also 374.8

.2 **Illiteracy Instruction of illiterates**

.21 Illiteracy and crime Education and crime Criminal illiterates

.22 Illiteracy and pauperism Indigent illiterates

See also 339.1 Pauperism; 362.51 Poorhouses

.23 Compulsory education

See also 371.52 Truancy

.24

.3 **Public vs private and endowd schools**

.4-.9 **Special countries, sections, cities etc**

Divided like 940–999: e.g. 379.73 Reports of U S commissioner of education: 379.744 Education in Massachusetts; 379.7471 in New York city. Keep state departments separate from city and other local sistems by numbering state reports, A1–A8, uzing A9 followd by author's initial (lower case) for history of schools of any state; e.g. Fitch's *New York public schools* 379.747 A9f

380 Commerce Communication

Public utilities. Teknical side of these questions goes mostly in 650 Useful arts. Here belong discussions of social and political relations

.1 **Theory**

Subdivisions of 380.1 may be uzed after 01 under 381–389 and any of their subdivisions

.11 Supply and demand

.12 Trade channels Commercial expansion Markets

.122 Market surveys and analisis

See also 658.83 Business methods

.123 Commercial forecasts

.124 Trade cycles Commercial fluctuations

2 **Commercial crises Panics Depressions**

See also 332 Financial crises, 338.55 Production crises

.125 Cooperativ marketing

See also 334.6 Cooperativ productiv associations, 658.83 Business methods

.126 Commercial arbitration

.13 Value of commerce and means of communication

.14 Terminology Nomenclature

.16 Ownership and control of business and public utilities

For control of a specific utility see its own number, e.g. 383 Postal servis, 385 Railroads

162 By government

2 **National** 3 **State or provincial** 4 **Municipal**

.163 By private enterprize

.164 Joint ownership and control

.165 Of business

2 **By government**

22 National 23 State or provincial 24 Municipal

3 **By private enterprize**

4 **Joint ownership and control**

.166 Of public utilities

2 **By government**

22 National 23 State or provincial 24 Municipal

3 **By private enterprize**

4 **Joint ownership and control**

.167 Ownership

Divided like 380.162–.166

.168 Control

1 **General questions**

Divided like 380.162–.166

2 **Regulation**

Divided like 380.162–.166

22 By government

221 General questions

2 Inspection 3 Franchizes 4 Licenses

3 **Operation**

Divided like 380.162–.166

.18 Commercial methods

See also 658 Business methods

381 Domestic trade

382 Foren trade

Including trade between mother country and colony

.2 **Official representativs Consulates Consuls**

Consular reports

383 Postal servis

See also 353.4 U S administration

.1 **Transport by mail**

Letters, parcel post, etc

.2 **Postage stamps Postage permits**

Precanceld stamps

.21 International stamps

.22 Philately Stamp collections

.3 **Banking by mail**

Money orders; postal orders. See also 332.22 Posta l savings banks

.4 **Organization of postal servis**

Government post, private post, postal union

.49 In special countries

Divided like 930–999

384 Telegraf Cable Telefone

See also 621.38 and 654

.1 **Telegraf**

.4 **Cable**

.5 **Radio Wireless**

Telegraf and telefone

.6 **Telefone**

385 Railroads

Government ownership or control. Interstate commerce commission. See also 388.4 Street railways, 625 Railway engineering, 656 Railroading

.1 **General questions**

.12 Relations to other means of transport

.122 Railways vs highways

.123 " " street railways

.124 " " interurban lines

.126 " " waterways

2 **Inland**

3 River 5 Lake

4 Canal 6 Ferry

7 **Ocean**

.127 Railways vs air transport

385.13 Financial questions
.132 Rate skedules Tarifs
1 General questions
Principles of rate making, differential rates, zone rates, etc. may be divided like 385.1323
2 Passenger and baggage rates Fares
22 According to number and frequency of trips
Commutation or suburban rates, etc
23 According to distance and destination
232 General and international rates
233 Local rates
234 Transit "
235 Thru "
236 Round trip rates
2 Going and returning by same route
3 " " " " different routes Circular trips
24 According to time
242 Day rates
243 Night rates
244 Holiday rates Vacation rates
Excursion rates, etc
245 Seasonal rates
2 Spring 3 Summer 4 Autum 5 Winter
25 According to speed and form of transport
252 According to speed
253 Rates on slow trains
254 " " fast "
Rates on extra fare trains
255 According to classes or form of transport
1st, 2d, 3d etc; de luxe, tourist etc
256 Sleeping and parlor car rates
Pullman fares, etc
26 For special classes of persons
Reduced fares, passes, free transport
261 Officials
Government, railway etc. See also 328.347 Legislativ railway passes
262 Military
263 Laborers and railway employes
See also 331.991 Transport of workers
264 Students, clergy, teachers etc
265 Children, families
266 Emigrants, colonists, homeseekers
267 Special races
Colord persons, etc
268 Persons under commitment to public institutions
Prisoners, convicts, insane etc
269 Other
Divided like main clasification
27 For groups of persons
Convention rates, etc
28 Baggage rates
Excess baggage rates
29 Accessory fees Special charges

385.1323 **Express rates**
32 According to number and frequency of shipments
33 " " distance and destination
Divided like 385.13223
332 General and international rates
2 Export rates 3 Import rates
34 According to time
Divided like 385.13224
35 According to speed and form of transport
352 According to speed
353 **Rates for slow transport**
Rates on delayd shipments
354 **Rates for rapid transport**
Rates on expedited shipments
355 Rates for special forms of transport
Rates for limited responsibility, rates for limitations on tonnage conditions, group rates, etc
36 For special classes of shippers or consignees
Reduced rates, rate exemptions. Divided like 385.13226
38 For special classes of goods
Express clasification
382 Clas rates
383 Commodity rates
384 Rates on special types of goods
Dangerous, perishable etc
388 Rates on special articles
Divided like main clasification
39 Accessory fees Special charges
391 Terminal charges
Charges for loading and unloading, collection and delivery, switching, carting, trucking, lightering, storage etc
392 Insurance and registration fees, etc
393 Rental and charges for private equipment
Private stations, branch lines, cars etc
394 Charges for special connections
Charges for special land and water connections; for connections with industrial railways, tap lines, etc
4 **Freight rates**
Divided like 385.1323
.133 Subsidies
See also 336.14 Land grants
.134 Tolls
.135 Taxation

385.2 **Servises**

For railway mail servis see 383

.22 Passenger

Clas here works covering passenger and express servis combined

.23 Express

.24 Freight

.242 Regular line servis

Freight lines run on regular routes and skedules

.243 Tramp or charterd servis

Without regular routes or skedules

.244 Privately operated industrial carriers

Operated by industrial or mercantil concerns primarily to carry their own freight, only occasionally carrying freight for other parties

.25 Combination servises

For combined passenger and express servis see 385.22

.252 Passenger and freight

.253 Freight and express

.3 **Stations and terminals**

For station bildings see 625.18 Road accessories, 725.3 Architecture; for teknical and business aspects see 656 Transport

.32 Small, country stations

.33 Large, city "

.34 Union and junction stations

.35 Thru terminals

.36 Loop "

.37 Stub "

.4 **Standard and hevy railways**

See also 625 Railway engineering

.5 **Light and industrial railways**

See also 625 Railway engineering

.6 **Specially constructed railways**

See also 625.3–.5 Railway engineering

.62 Inclined and mountain railways

.622 Funicular railways

.623 Rack railways

.624 Friction railways

.63 Elevated railways

.64 Subways

.65 Monorailways

.66 Cable roads

386 Waterways

See also 626 Canal engineering, 627 River and harbor engineering, 656 Transport, under useful arts

.09 In special countries
Divided like 930–999

.1 General questions
Divided like 385.1, uzing 386.125 for waterways vs railways

.2 Inland navigation

.209 In special countries
Divided like 930–999

.21 General questions
Divided like 385.1, uzing 386.2125 for inland navigation vs railways

.22 Ships
Divided like 623.82. For general works on ships see 387.2, see also 623.8 Shipbilding

.24 Servises
Divided like 385.2

.3 River navigation

.309 In special countries
Divided like 930–999

.31 General questions
Divided like 385.1, uzing 386.3125 for river navigation vs railways

.34 Canalized rivers

.4 Canals

.41 General questions
Divided like 385.1, uzing 386.4125 for canals vs railways, canals vs transport of ships by rail

.42 Interoceanic canals
Clas here only canals connecting 1 ocean with another; canals connecting various parts of a given ocean ar clast as noninteroceanic canals 386.46–.49 (see notes under 386.46 and 386.4609)

.43 Suez canal

.44 American interoceanic canals

.441 General questions
.442 Atrato
.443 Darien
.444 Panama
.445 Nicaragua

Isthmian canals

.446 Honduras
.447 Tehuantepec
.448 Other South American routes
.449 " North " "

.46 Inland or noninteroceanic canals
Includes canals connecting various parts of a given ocean

.4609 In special countries
Divided like 930–999; individual canals may be clast here or by type under 386.4709 and 386.4809

.47 Ship canals
See notes under 386.46 and 386.4609; for interoceanic canals see 386.42–.44

.48 Barge and small boat canals
Canals for avoiding rapids, cataracts etc. See notes under 386.46 and 386.4609

.49 Other groupings

386.5 Lake navigation
.509 In special countries
Divided like 930–999
.51 General questions
Divided like 385.1, uzing 386.5125 for lake navigation vs railways
.6 Ferries
.609 In special countries
Divided like 930–999
.61 General questions
Divided like 385.1, uzing 386.6125 for ferries vs railways
.62 Ferries for foot passengers and small vehicles
.63 Freight ferries
.64 Train "
.8 Inland ports and harbors
For works on ocean ports and those covering both ocean and inland ports see 387.1. Divided like 387.1
.809 In special countries
Divided like 930–999

387 Ocean and air transport

History of shipping. See also 656 Transport

.1 Ocean ports

Clas here works covering both ocean and inland ports. See also 386.8 Inland ports, 627 Harbor engineering

.11 General questions
Divided like 385.1
.12 Ports according to location or type of harbor
.122 Natural bay ports
.123 River mouth, estuary, tidal river ports
.124 Combination river and natural bay ports
.125 Roadsted, breakwater ports
.13 Entrepôt vs transit ports
.132 Entrepôt ports Reexport ports
.133 Free ports Free zones Foren trade zones
.134 Transit ports
.14 Overside vs quay ports
.142 Overside ports
.143 Quay ports

.2 Ships

See also 623.8 Shipbilding. Divided like 623.82

387.5 **Maritim transport**

Merchant marine, maritim lines; organization and servises. For teknical and business aspects see 656 Transport

.51 General questions

Divided like 385.1, uzing 387.5125 for ocean transport vs railways

.52 Trade routes

International trade routes

.522 Main trunk lines

1 **North Atlantic route**

Connects Canada and northeast United States with English Channel and north and west Europe

2 **Mediterranean and Suez route**

Connects North America and west and south Europe with north and east Africa, Orient and Australasia. See also 386.43 Suez canal

3 **South African route**

Connects North America and Europe with west, south and southeast Africa, Orient and Australasia

4 **South American circuit**

Connects east and west shores of north Atlantic with eastern South America and Pacific coast of North and South America, also with Orient and Australasia

5 **Gulf of Mexico and Caribbean Sea route**

Southern extension of North Atlantic trunk route, connecting with southeast United States, West Indies, Mexico and northeastern South America

6 **Panama route**

Mainly extension of Caribbean route, connecting Atlantic and Pacific coast countries. See also 386.444 Panama canal

7 **North Pacific route**

Connects North America with Asia

8 **North American and Australasian route**

Connects western North America with New Zealand and Australia

9 **Other trunk lines**

.523 Triangular and auxiliary routes

Irregular and tramp routes, branches and connections between main trunk lines

.524 Coastwize trade Cabotage

Trade between ports of a given nation

.54 Servises

For ocean mail servis sec 383. Divided like 385.2

.7 **Air transport**

See also 629.13 Aeronautics

388 Local transit: city and interurban Highways

See also engineering 625

.1 Highways Roads Bridges

.3 Land transportation Vehicles

Carriages, coaches, carts etc. Stages (horse or motor)

.4 Street railways Quick transport in large towns

For teknical questions see 625.6

389 Weights and mesures Metrology

.1 Metric sistem

.6 Standardization

390 Customs Costumes Folklore

These heds ar for discussions by topic. Customs, etc. of any special country go in 913–919. Books on a special topic in a special country go here, as the grouping by topics is the more important; e. g. Marriage in Japan is 392.5, but Japanese customs, 915.2. For customs of primitiv man, see 571

391 Costume and care of person

See also 646 Clothing; 613.4 Hygiene

.1 Costumes of men
.2 " " women
.3 " " children
.4 Extremities Accessories
Hats, gloves, stockings, shoes, sandals; mufs, fans, canes, parasols; etc.
.5 Hairdressing Barbers See also 646.7 Toilet
.6 Care of person Bathing Toilet
.7 Ornaments and jewelry

392 Birth, home, and sex customs

.1 Birth customs: christening, circumcision
.2 Sacrifice and exposure See also ethics, 173.4 Infanti
.3 Family and home relations
.4 Betrothal
.5 Marriage Weddings
.6 Sex relations Concubinage

393 Treatment of the ded

See also 614.6 Public helth

.1 Earth burial See also 718 Cemeteries
.2 Cremation
.3 Embalming, mummies
.4 Exposure
.9 Special funeral customs: wake, suttee

394 Public and social customs

.1 Eating, banquets
.2 Shows and diversions
.25 Carnivals
.26 Holidays
Including days which, tho not legal holidays, ar similarly observd. While separate days *may* be clast under 394.262, .264 and .269, it is recommended that these numbers be used only for general works and that separate days be kept in a single group under 394.268. See also under folklore 398.33 Fêtes: education 371.365 Special days

.262 By season
2 Spring 3 Summer 4 Autumn 5 Winter
.264 By kind
2 Religious 5 Scientific 8 Literary
3 Economic Social 7 Art 9 Patriotic
.268 Special days Alfabeted by name of day
.269 By country Divided like 930-999

394.3 Games Dances, etc.

.4 Official ceremonies Ceremonious observances

.43 Enthronement of soverens

Consecration, coronation, taking oath

.44 Joyful entries Receptions

Durbars, levees, etc.

.45 Triumts

.5 Processions Pageants

.6 Fairs Kermess

.7 Chivalry Tournaments Justs

.8 Dueling Suicide

For other relations see Dueling in Relativ index following Tables

395 Etiquet

Codes of social procedure and behavior. For social ethics see 177

396 Woman's position and treatment

For costumes, see 391.2; biografy, 920.7

If a special library about women is wisht, 396 is the best place for it. Suffrage, education, and employment can then be put here, with references from 324.3, 376, 331.4, etc. but it would be unwise to bring everything about women here, e. g. to remove 618, Diseases of women, from the rest of medicin. Books on woman in general go in 396

.1 Emancipation

.2 Legal status, property, rights, etc.

.3 Political status

See 324.3, Suffrage; 329.83, Woman suffrage party

.4 Education

See also 376, Education of women

.5 Employment

See 331.4 Labor of women; 371.18 Teachers; 023.56 Librarians; 069.6318 Museum employees

Divided like the general classification; e. g. woman as scientist, 396.55; woman as exchange, 396.56; woman as painter, 396.575; woman as author, 396.58, etc.

.6 Woman in home

.7 Delineation of woman in art

.8 Delineation of woman in literature

.9 Woman in history, politics, war Amazons

397 Gipsies Nomads

People without nationalities who do not coalesce with the ruling people among whom they live. This includes Gipsy language, which til recently had no place in the linguistic groups of 400, as the Gipsy people hav no place in the geografic divisions of history

398 Folklore Proverbs, etc.

See also 291-3 Mythology

This section is for material needed in studying Folklore. Mere stories fo children, unless having a value to students of folklore, go in 813, 823, etc. o in J, if there is a Juvenil collection

.1 **Primitiv traditions**

.2 **Legends, tales, traditions**

.21 Tales

.22 Legends Sagas

Legends of Arthur, Charlemagne, Roland, Faust, Reynard the fox, etc. But poems, dramas, etc. based on these legends clas in literature

.3 **Folklore, traditional beliefs and customs, popular superstitions**

.31 Fire

.32 Haunted localities

Cemeteries, burnd cities, ancient ruins, haunted houses, caves, water sources, forests etc.

.33 Fêtes

See also 394.26 Holidays

.331 **The year Calendar dates**

.332 **Principal fêtes**

1 Spring

11 April 1 All fools day

12 Easter Easter eggs

2 Summer

3 Autumn

4 Winter

41 Christmas

42 New Year

43 Lent

.34 Local customs

House, outbildings, furniture etc

.4 **Fairies, elvs, ogers, monsters**

Bogies, gnomes, dragons, vampires, werewolvs, etc.

.5 **Chapbooks**

.6 **Riddles**

.7 **Dream books**

.8 **Song books Nursery rimes Popular cries**

Including only popular collections, hardly ranking with Poetry or Music, but useful in the study of Folklore, etc.

.9 **Proverbs**

399 Customs of war

Wepons War dances Treatment of captivs Scalping Mutilation Burning Cannibalism See also 623.4 Firearms

Philology

400 Philology in general

In philology the general works put under 400–419 deal almost entirely with Indo-European languages. They ar put here because they cover most of the divisions of this clas, and in practis ar most convenient here. Under 439, 479 and 489 ar placed books limited to Teutonic, Romance or Hellenic groups, and under 491 ar placed only such general works as ar specificly limited to Indo-European group

401 Philosofy Origin of language
402 Compends, outlines
403 Dictionaries, cyclopedias
404 Essays, lectures, addresses
405 Periodicals
406 Societies, transactions, etc.
407 Teaching and study of languages in general, also of philology

Works on teaching and study of an individual language ar clast with that language

408 Polygrafy Collections Different kinds of language

.7 **Dialects and patois of languages in general Dialectology**

Dialects of a special language ar clast under number for that language

.9 **Universal language International Artificial**
.91 Volapük
.92 Esperanto

409 History of language Distribution

Divided like 930–999

410 Comparativ

410–419 includes *comparativ* works in *general* and also *comparativ* works on Indo-European group in general, but general *and comparativ* works on Teutonic group ar 439; on Romance group 479; on Hellenic group 489. Everything about an individual language is put with that language. 410–416, 418 may be divided like 420–426, 428

411 Orthografy Orthoepy Alfabets
412 Etymology, derivation
413 Lexicografy Lexicology Polyglot dictionaries
414 Phonology Visible speech Natural laws of language

See also 612.78 Physiology of speech

415 Grammar, morfology, syntax

416 Prosody

417 Inscriptions Paleografy

See also 421.7, 471.7, 481.7, etc. Rare early mss ar put in 091

418 Texts

419 Language communicated otherwise than by words or letters of an alfabet

.1 Sign language

For def mute alfabets, see 371.912

.2 Picture language

.25 Hieroglyfics

See also 493.1

420 English philology

.1 Philosofy .2 Compends .4 Essays .5 Periodicals .0 Societies .7 Study and teaching .8 Collectiv works .9 History of the language

421 Orthografy

See also this hed treated in general grammars placed under 425

.1 Alfabet

For def mute alfabets, see 371.912

.2 Vowels Difthongs Aspirates

.3 Consonants

.4 Phonetic spelling Simpler spelling

Spelling reform

.5 Orthoepy

.6 Accent

.7 Paleografy Inscriptions

.8 Abbreviations

For stenografic and other uncommon contractions and abbreviations, see 653 Shorthand

.9 Punctuation

422 Etymology Derivation

422 is limited to derivation. For inflection, also called etymology, see 425.

.1 Origin and laws of English language

.2 Prefixes Suffixes

.3 Reduplication

.4 Foren elements

.5 Noun forms: case, number, diminutivs

.6 Adjectival forms Degrees of comparison

.7 Pronominal forms: personal, possessiv, relativ, etc.

.8 Verbal forms: moods, tense, voice, etc.

.9 Particles: adverbs, prepositions, etc.

423 Lexicology Dictionaries Idioms

.1 Idioms .2 English .3 German, etc. Put a dictionary of two languages with the less known language. Under 423 put only English-English dictionaries. Put an English-French dictionary with French, 443.2; a French-Latin dictionary with Latin, 473.4. If in several languages, put with 413, or with least known. Put French-French dictionaries 443, not 443.4, so that the standard home dictionaries shall come first in each language. This plan brings together under each of the less known, all the dictionaries for translating either into or from that language. Some prefer to put each dictionary under the first language; i. e. that by which it is alfabeted. This gives under *each* language, regardless of its familiarity, *all* dictionaries for translating *from* it, but none for translating *into* it. These must be sought under the language from which the translation is to be made. For a cosmopolitan library this plan is simplest and best; but in an English library, the first plan, with only English dictionaries in 423, and both *in* and *out* dictionaries together under little known tungs is more convenient. References in either case show what may be found in the other place

424 Synonyms Homonyms

425 Grammar

425 includes general works, covering also orthografy and prosody

.1 Morfology Inflection

Divided like 425.2 Syntax; e. g. .15 Nouns, etc. See 422

.2 Syntax

.3 Arrangement of words and clauses

.4 Particular sentences: conditional, hypothetic, etc.

.5 Nouns

.6 Adjectivs Articles

.7 Pronouns

.8 Verbs

.9 Particles

426 Prosody

See also the hed Prosody, in general grammars 425

.1 Quantity and accent

.2 Versification

.3 Feet

.4 Figures of prosody

.5 Meters

.6 Rimes

.7 Strophe and antistrophe

.8 Textbooks for writing verse

.9

427 Dialects Patois Language at different periods Slang

.1–.8 divided like 942.1–.8. The Yorkshire dialect is 427.74; Gloucestershire dialect 427.41. The dialects of other languages take the geografic subdivisions of their countries. Dialects not provided for in these heds ar placed with the last; e. g. American and Scotch with 427.9. The division by time is made with a 5th figure after 0; the earliest form of the language is markt .01; .09 is used for modern slang, e. g. 427.01 Old English

428 School books Texts for learning the language

Including only books for *learning* the language, with grammatic or philologic notes, etc. For other works see literature of the language, 820

.1 **Spelling books**

.2 **First lessons** **Elementary composition** For Rhetoric see 808.

Including in other languages books like Fasquelle, Ollendorff, Chardenal, Latin prose, etc. See also 372.6, Elementary grammars

.24 For foreners

Divided like 430–499 (for other than English, like 420–499). Clas here books intended for use of foreners in learning the language. Subdivide by language of those for whom intended; e. g. English lessons for Italians 428.245, for Russians 428.24917

.25 Special modifications of English

Basic English, etc.

.3 **Errors of speech** **Vulgarisms** **Use of words**

.5 See 427.09 Slang; 424 Synonyms

Readers for adult reliteratee or with lim readability

.6 **Elementary readers** See also 372.4 Education

For primers and primary readers see 372.4. Clas here 3d and 4th readers, and put higher readers with literature collections; 808.8 if general, 820.8 if English or English and American, etc.

.7 **Selections**

.8 **Texts of individual authors**

With grammatic notes and questions. Preferably clast in 800 with cross references here

.9 **Examination papers**

429 Anglo-Saxon

Subdivisions .1–.8 correspond to 421–428

All languages are subdivided like 420 English

430 German

437.01 Old High German, to 1100 A.D.; 437.02 Middle High German, 1100-1500

439 Other Teutonic languages

Including general works on Teutonic group

.1 Western Germanic languages in general
.2 Frisian Old Saxon
.3 Netherlandish
.31 Dutch
.32 Flemish
.36 Afrikaans
.4 Low German Plattdeutsch
.5 Scandinavian
.6 Old Norse Icelandic Faroese
.7 Swedish
.8 Danish Norwegian
.81 Danish
.82 Norwegian
.9 Gothic

All languages are subdivided like 420 English

440 **French**

Old French, as the earliest form of the language, is 447.01

447.9 **Canadian and creole French, etc.**

449 Provençal

.9 **Catalan**

450 **Italian**

459 Rumanian

Moldavian, Wallachian, Dacorumanian, Istrorumanian, Transylvanian, Bukowinian, Macedorumanian

.9 **Romansh**

Ladin, Friulan, Rheto-Romanic

460 **Spanish**

469 Portuguese

.9 **Galician**

470 **Latin**

Works on Latin and Greek together, unless very clearly most useful in Latin, go with Greek, which here as well as elsewhere is made to include general works on the ancient classics

479 Other Italic Medieval and modern Latin

Including general works on Romance group

.1 Romance languages in general

Divided like 420

480 **Greek**

Divide 487, Greek dialects, like 930; e. g. 487.2 Alexandrian Greek; 487.3 New Testament Greek; 487.81 Macedonian; 487.923 Ionic, etc.

489 Other Hellenic Modern Greek

Including general works on Hellenic group

.1 Classic languages in general

Divided like 420

490 Other languages

Each language subdivided if wisht like 420 English

491 Indo-European languages in general

Besides Teutonic, 420–439; Italic, 440–479; and Hellenic, 480–489
This hed, 491, includes general works on the Indo-European tungs, but general works on the Teutonic languages go in 439, on the Romance group in 479, on the Hellenic group in 489, while most of the material placed under 400–419 is really Indo-European; but see also notes under 400 and 410

.1 **Indic**

.2 **Old Indic Sanskrit**

.27 Sanskrit dialects Primary Prakrits

.3 **Middle Indic or Prakrit par excellence**

Popular Hindu idiom. Secondary Prakrits

.3701 Pali

Language of canonical books of Southern Buddhists

.4 **Modern East Indian languages**

Tertiary Prakrits
Excluding Dravidian, which is 494.8

.41 Sindi

.42 Panjabi

.43 Hindustani Hindi

Bradch, Blascha, Marivari, Dakhni, Gorkha

.44 Bengali

.45 Uriya Orissa

.46 Marathi

.47 Gujerati

.48 Singhalese Elu

.5 **Iranic**

.51 Old Persian West Iranic

Official language of Persian kings. Language of cuneiform inscriptions

.52 East Iranic Zend (Avestan) Old Bactrian

Language of the Avesta or sacred book of Zoroastrianism and the Parsees

.53 Pehlevi (Huzwaresh) Parsee

.531 Huzwaresh Pehlevi

.532 Parsee

.54 Armenian

.55 Modern Persian Neopersian

.56 Ossetic

.57 Kurdish

.58 Afghani Pushtu

.59 Other Iranic languages

.591 Baluchi

.592 Pamir languages

.6 **Keltic**

.61 Gadhelic group

.62 Irish

.63 Gaelic or Scotch Erse

.64 Manx

Language of Isle of Man

.65 Cymric group

.66 Welsh or Cymric

.67 Cornish

.68 Armorican or Bas Breton

.69 **Basque**

491.7 **Russian**

.79 Ruthenian

Little Russian, Russniak

.8 **Other Slavic or Slavonic languages**

Windic. Not including Russian, clast under 491.7, nor Ruthenian, clast under 491.79

Southeast Slavonic group

.81 Bulgarian (Church Slavonic)

.82 Serbo-Kroatian Serbian

.83 Kroatian

.84 Slovenian

West Slavonic group

.85 Polish

.86 Bohemian Bohemian Czech

.87 Moravian Slovakian

.871 Moravian

.872 Slovakian

.88 Sorbian or Sorabian Wendish or Lusatian

.89 Polabian

Slavonic of the Elbe

.9 **Lettic Baltic languages**

.91 Old Prussian

.92 Lithuanian

.93 Lettish

.99 **Other Indo-European languages**

.991 Albanian

492 Semitic

Northern group

.1 **Aramaic**

.19 Assyrian Babylonian

Babylon and Nineveh cuneiform

.2 **Chaldee**

.3 **Syriac (Peshito)**

Central group

.4 **Hebrew**

Canaanitish dialects

.49 **Yiddish**

.5 **Samaritan**

Language of the Pentateuch

.6 **Phenician Punic Carthaginian**

Southern group

.7 **Arabic**

.8 **Ethiopic**

Ethiopian Semitic languages; literary Ethiopian; Ghez; Abyssinian dialects; Amharic (language of the Abyssinian court since 1300 A.D.); Tigrus Harari
See also 493.5 Hamitic Ethiopian languages

.9 **Himyaritic or Sabean**

Ancient language of Yemen and eastern Arabia: Minaeen, Sabean, Hadramaut, Ehkili

493 Hamitic

.1 **Old Egyptian**
See 419.25 Hieroglyfics

.2 **Coptic**

.3 **Libyan or Berber group**
Algerian Kabyle, Mozabi, Moorish, Touarik or Touareg

.5 **Hamitic Ethiopian languages**
Hamitic group of languages of central Africa, spoken in south of Egypt and in certain parts of Abyssinia
See also 492.8 Ethiopian Semitic languages

.51 Somali
.52 Galla
.53 Bedja
Language of Bedouins
.54 Saho
.55 Dankali
.56 Agaou

494 Scythian Ural-Altaic Turanian

Except Malay-Polynesian languages clast under 499

.1 **Tungusic languages**
.11 Tungus proper
.12 Lamut
.13 Manchu

.2 **Mongol languages**
.21 Eastern Mongol
.22 Kalmuk
.23 Buriat

.3 **Turkish or Tatar languages**
.31 Yakut
.32 Uigurian
.321 Uigurian proper
.322 Djagataic
.323 Turkoman
.33 Nogair
.34 Kirghiz
.35 Osmanli or Turkish proper

.4 **Samoyed languages**
.41 Northern branch
.411 Yurak
.412 Targhi
.413 Yeniseian Samoyed
.42 Eastern branch
.421 Samoyed-ostiak
.422 Kamassin

494.5 **Ugrian, Finno-Hungarian, Finno-Ugric, or Uralic languages**
.51 Ugric languages
.511 Magyar Hungarian
.512 Vogul
.513 Hongro-ostiak
.52 Finnish of the Volga
.521 Cheremissian
.522 Mordvinian
.53 Permian languages Finno-Permian
.531 Permian
.532 Syryenian
.533 Votiak
.54 Western Finnish
.541 Suomi Finnish
.542 Karélian
.543 Chudic
.544 Krévin
.545 Esthonian
.546 Livonian
.55 Lapp
.8 **Dravidian languages**
Tamul, Tamil or Malabares languages
.81 1st group
.811 Tamul or Tamil
.812 Malayalam
.813 Telinga or Telugu Andhra
.814 Kanarese or Kannada
.815 Tulu or Tuluva
.816 Kodagu
.82 2d group
.821 Kôta
.822 Touda or Toda
.823 Gônd
.824 Khond or Kou
.825 Râdjmahal
.826 Orâon

495 Asiatic
Excluding those provided for above
.1 **Chinese**
.4 **Tibetan**
.5 **Himalayan**
.6 **Japanese**
.7 **Korean**
.8 **Burmese**
.91 **Siamese**
.92 **Annamite**
.95 **Mundari family**
Language of the Kolarians

496 African

Excluding 493 Hamitic, 492.8 Ethiopic, etc. included in families above

.1 **Language of Hottentots**

.2 " " **Bushmen**

.3 " " **Bantu group**

Kafir dialects

.4 **Negro dialects**

.5 **Nubian languages** **Language of Pouls**

497 North American

498 South American

499 Malay-Polynesian and other

.1 **Negrito and Papuan**

.11 Negrito

.12 Papuan

.2 **Malay**

.21 Tagala branch

.211 Philippine languages

.212 Formosan

.213 Language of Ladrones or Mariana ilands

.214 Malagasy

Madagascar

.22 Malay-Javanese branch

.221 Malay proper

.222 Javanese

.223 Bali

.224 Maduran

.225 Sundanese

Java

.226 Batak Sumatran

.227 Dyak

Borneo

.228 Makassar

Bugi, Alfourou

.5 **Isolated ilands**

.9 **Other languages**

.96 Caucasus

.961 Northern group

1 Lesghian group

2 Kistic or Chechenze group

3 Cherkesse or Circassian group

.962 Southern group

1 Georgian

2 Svanetian

3 Mingrelian

4 Lazistan

Pure Science

500 Science in general

501–509 all hav *Science in general* as their subject, but it is treated in these various *forms*. A periodical on *Chemistry* goes with 540.5, not 505, which is only for periodicals on Science in general. 0 in any clas number in any part of the classification shows the subject to be general, not specific

501 Philosofy, theories, utilities, etc.

502 Compends, outlines

For ancient and medieval science prefer 509.01–02

503 Dictionaries, cyclopedias

504 Essays, lectures, addresses

505 Periodicals, scientific magazines

506 Societies: transactions, etc.

507 Education, methods of teaching and study Museums

508 Polygrafy: collected works, extracts, etc.

.1 Extracts .2 .3 General scientific travels .4—.9 Travels and surveys (if general) divided geograficly like 940–999

509 History of science

For subdivisions see Table 2 following Relativ index

510 Mathematics

Works on *Mathematics in general*, not limited to any one or two sections, are groupt by form of treatment like Science in general above; i. e.
510.1 Philosofy .2 Collections, compends .3 Dictionaries .4 Essays, papers, tracts, letters .5 Periodicals .6 Societies .7 Education .8 Logarithmic and other tables .9 History

511 Arithmetic

See 372.7 Teaching elementary arithmetic

.1 Systems of arithmetic

See also 512.81 Theory of numbers

.2 Notation and numeration Fundamental rules Abacus

.3 Prime numbers

.4 Fractions

.5 Analysis Permutation and combination

.6 Proportion and progression

.61 Magic squares

.7 Involution and evolution

.8 Mercantil rules Interest Alligation Mensuration Gaging

.9 Problems and tables

512 Algebra

.1 **Systems of algebra**

.2 **Numeric equations** **Imaginary expressions**

.21 Equations, 1st to 4th degrees

.22 Higher numeric equations

.23 Indeterminate equations Diophantin analysis

.24 Imaginary expressions

.3 **Algebraic equations** **Maxima and minima**

.4 **Series** **Fractions** **Binomial theorem** **Taylor's theorem**

.5 **Combinatory analysis**

.6 **Proportion and progression**

.7 **Involution and evolution**

.8 **Higher algebra**

.81 Theory of numbers See 511.1 Systems of arithmetic

.82 Theory of equations Complex variable]_See also 517.8

.83 Determinants

.84 Symmetric functions

.85 Elimination: eliminants and discriminants

.86 Transformations Substitutions

.87 Quantics

.88 Invariants Covariants Contravariants

.89 Universal algebra

.9 **Problems and tables**

513 Geometry

Plane and solid geometry bound together ar 513. Descriptiv geometry is 515
See also 744 Mathematic drawing

.1 **Plane geometry**

.11 Right lines

.12 Intersecting lines

.13 Parallel lines

.14 Triangles

.15 Quadrilaterals

.16 Other polygons

.17 Similarity

.18 Areas

.19 Maxima and minima

.2 **Curvs**

.21 Circles

.22 Conic sections

.23 Ellipse

.24 Hyperbola

.25 Parabola

.26 Higher plane curvs

513.3 **Volumetric or solid geometry**
.31 Lines and planes
.32 Intersecting planes
.33 Parallel planes
.34 Polyedrons
.35 Pyramids
.36 Prisms
.37 Regular
.4 **With curvd surfaces**
.41 Sphere
.42 Cone
43 Cylinder
.5 **Modern geometry**
.51 Points Lines Planes Duality
.52 Transversals
.53 Cones Conics Involution
.54 Radical axes and centers of similitude
.55 Poles and polars Reciprocal polars
.56 Harmonic and anharmonic properties
.57 Correspondence Correlation of figures
.58 Quadric surfaces: spheroconics, curvs of double curvature
.59 Surfaces of higher order: cubics
.6
.7 **Infinitesimal and kinematic geometry**
.8 **Non-Euclidean geometries Analysis situs**
.81 Absolute or non-Euclidean geometry
.82 N-dimensional geometry
.83 Analysis situs Geometric topology
.9 **Problems**

514 Trigonometry

.1 **Trigonometric functions General formulas** See 522.7
.2 **Trigonometric series**
.3 **Exponential formulas**
.4 **Solution of trigonometric equations**
.5 **Plane trigonometry: solution of plane triangles; analytic**
.6 **Spheric trigonometry General formulas**
.7 Solution of spheric triangles
.8 **Differences of triangles, plane and spheric**
.9 **Problems**

515 Descriptiv geometry and projections

See also 744 Mathematic drawing

.1 **Orthogonal projection on 2 planes**
.11 Straight lines Planes
.12 Single curvd lines
.13 Double curvd lines
.14 Single curvd surfaces
.15 Double curvd surfaces
.16 Surfaces of revolution
.17 Warpt surfaces
.18 Intersections of surfaces
.2 **Isometric and analogous projections**
.3 **Oblique projection**
.4 **Conic projection**
.5 **Spheric projection** See 526.8 Map projection
.51 Orthografic
.52 Globular
.53 Stereografic
.54 Polar
.55 Gnomonic
.56 Conic
.57 Cylindric
.6 **Perspectiv** See also 742 Drawing
.61 Plane Parallel Oblique Angular
See also 750 for Scene painting
.62 Cylindric
See also 750 for Panorama painting
.63 Shadows; natural and artificial light
.64 Reflections
.65 Circles, cylinders and spheres
.66 Distortions and corrections
.67 Human figure
.68 New methods Special devices
.7 **Shades and shadows**
.8 **Stereotomy**
.81 Stonecutting See also 693.12 Masonry; 730 Sculpture
.82 Carpentry See also 694 Bilding
.83 Stairbilding See also 694.8 Bilding; 729.39 Architectural design

516 Analytic geometry

CARTESIAN

.1	**Plane loci**
.11	Right lines
.12	
.13	
.14	Transformation of coordinates
.2	**Curvs**
.21	
.22	Conic sections
.23	Ellipse
.24	Hyperbola
.25	Parabola
.26	Higher planc curvs
.3	**Loci in space**
.31	Right lines
.32	Planes
.33	
.34	Transformation of coordinates
.4	**Curvd surfaces**
.41	
.42	Conicoids or quadric surfaces
.43	Ellipsoid
.44	Hyperboloid
.45	Paraboloid
.46	Surfaces of higher order
.5	**Modern analytic geometry**
.51	Systems of coordinates
.52	Abridged notation
.53	Conics
.54	Higher plane curvs
.55	Poles and polars Reciprocal polars
.56	Harmonic and anharmonic propertics
.57	Method of projection
.58	Quadric surfaces: spheroconics, curvs of double curvatures
.59	Surfaces of higher order: cubics
.6	
.7	
.8	**Quaternions: calculus of direction and position**
.9	**Problems**

517 Calculus

.1 **Infinitesimal** **Method of exhaustions**

Differential and Integral calculus, *bound together*, ar put here

.2 **Differential**

.21 Series

.22 Indeterminate forms

.23 Change of the independent variable

.24 Theory of plane curvs Curv tracing

.25

.26 Theory of curvd surfaces

.27 Maxima and minima

.28

.29 Problems

.3 **Integral**

.31 Formulas of reduction and integration

.32 Definit integrals Eulerian integrals

.33 Rectification Quadrature Cubature

.34 Multiple integrals

.35 Laplace's functions Bessel's and allied functions

.36 Elliptic and hyperelliptic functions Abelian functions

.37

.38 Differential and partial differential equations

.39 Problems and tables

.4 **Of variations**

.5 **Of functions**

.6 **Of finite differences**

.7 **Of operations**

.8 **Of imaginaries** **Complex variables** See also 512.82

.9 **Problems**

519 Probabilities

.1 **General principles** **Direct and inverse probabilities**

.2 **Mathematic and moral expectation**

.3 **Testimony: decisions of juries and tribunals**

.4 **Probability of future events deduced from experience**

.5 **Life contingencies: annuities, life insurance** See 368.3

.6 **Errors of observation** **Mean or average values**

.7

.8 **Method of least squares**

.9 **Problems**

520 Astronomy

520.1 Astrology, see 133.5 520.2 Compends 520.3 Dictionaries 520.4 Essays 520.5 Periodicals 520.6 Societies 520.7 Study and teaching of astronomy 520.8 Collections, etc. 520.9 History of astronomy
See also note under Pure science in general, 500–509

521 Theoretic astronomy

Mathematic investigation of celestial motions, specially of the Solar system
Motions of individual bodies ar clast under separate heds in 523

.1 **Celestial dynamics**
.11 General laws of equilibrium and motion See also 531.2
.12 Law of universal gravitation and motion
See also 531.51
.13 Problem of 3 bodies
.14 Figures of hevenly bodies
.15 Rotation of hevenly bodies
.2 **Geocentric and heliocentric place**
.21 Plane of orbit in space
.22 Position of orbit in its plane
.23 Position of body in its orbit
.24 Position of body in space
.25 Heliocentric longitude and latitude
.26 Geocentric longitude and latitude
.27 Variations of right ascension and declination
.28 Variations of longitude and latitude
.29
.3 **Orbits**
.31 Definitions of orbits
.32 Determination from 3 observations
.33 Determination from 4 observations
.34 Variation of elements of orbit
.35 Correction of approximate elements of orbit
.36 Application of method of least squares
.37 Kepler's problem
.38 Equation of center and radius vector
.39
.4 **Perturbations**
.41 Mutual action of planets
.42 Action of satellites
.43 Nonsphericity of planets
.44 Resisting medium
.5 **Theory of planets**
.6 **Theory of satellites**
.7 **Theory of comets**
.8 **Theory of eclipses**
.9 **Precession and nutation** See also 522.95–.96

522 Practical and spheric

.1 **Observatories**
.11 General plan, location
.12 Material and mechanism of dome, drum, etc.
.13 Transit bildings, wings, etc.
.14 High altitude observatories
.15 Portable
.19 History, reports and serial publications of observatories

.2 **Telescopes** See also 535.83 Optics
.21 Reflecting
.22 Refracting
.23 Eye piece and accessories
.24 Object glas
.25 Mounting, tube, etc.
.26 Equatorial mounting
.27 Transit mounting
.28 Observing chairs, etc.
.29 Famous telescopes
May be divided like 930–999

.3 **Meridional instruments**
.31 Finding meridian line
.32 Mural circles
.33 Meridian circles
.34 Transit: placing in position
.35 Collimation constant
.36 Level constant
.37 Azimuth constant
.38 Other constants, flexure, index error, etc.

.4 **Extra meridional instruments**
.41 Sextant and quadrant, reflecting circle, astrolabe
.42 Altazimuth
.43 Zenith telescope
.44 Transit out of meridian
.45 Heliometer
.46 Equatorial
.47 Prime vertical

.5 **Auxiliary instruments**
.51 Sidereal clock and chronometer
.52 Electrochronograf
.53 Micrometers
.54 Personal equation machine See also 522.97 Corrections
.55 For illumination
.56 For solar observation
.57 Artificial horizons
.58 Heliostat

522.6 **Auxiliary observations**

.61

.62 Photometry See 535.2 Optics

.63 Photografy See 535.85 Optics; 770 Photografy

.64

.65 Polarization See 535.5 Optics

.66

.67 Spectroscopy See also 535.84
Technic; application to astronomy and use with telescope. For results see 523.37, 523.57, 523.67, 523.77, 523.87

.68

.69

.7 **Spheric astronomy** See also 514.6

.71 Celestial sphere Spheric coordinates

.72 Rectangular coordinates

.73 Transformation of coordinates

.74 Differential variations of coordinates

.75 Interpolation

.76 Meridian line Variation of compass

.77 Reduction of observations to the meridian

.78 Use of globes

.79

.9 **Corrections**

.91 Parallax

.92 Refraction See 535.3 Optics

.93 Semidiameter of celestial bodies

.94 Aberration

.95 Precession See 521.9

.96 Nutation " "

.97 Personal equation See 522.54

.98 Instrumental errors

.99

523 Descriptiv astronomy

.1 **Universe**

.11 Structure of universe

.12 Nebular hypothesis

.13 Plurality of worlds

.14 Space and its temperature

.15 Resisting medium

.16 Cosmic dust

.17 Repulsiv force

523.2 **Solar system**

.21 Distributiv laws of planets

.22

.23 Conjunctions and oppositions

.24 Motion of solar system in space

.25 Constitution of planetary system

.26 Stability of solar system Ecliptic

.27

.28 Orrery, planetarium, gyroscope, etc.

See 531.34 Rotation

.29 Zodiac

.3 **Moon**

.31 Constants: size, mass Distance and parallax

.32 Heat and light Phases

.33 Orbit and motions

Sidereal month, tropical, perigee and apogee, sun and earth's attraction, librations. See also 521.6 for Orbit

.34 Features of surface: mountains, plains, etc.

.35 Atmosphere

.36 Physical condition

.37 Spectrum

.38 Eclipses

.39 Charts, photografs, etc.

.4 **Planets**

.41 Mercury and intramercurial

.42 Venus

.43 Mars

.44 Asteroids

.45 Jupiter

.46 Saturn

.47 Uranus

.48 Neptune and transneptunian

.49 Charts, photografs, etc.

.5 **Meteors and zodiacal light**

.51 Meteorites

.52 Fireballs

.53 Meteoric showers, radiant points, etc.

.54 Systems of meteors

.55

.56 Connection of comets and meteors

.57 Spectrum

.58 Hight of atmosphere from observation

.59 Zodiacal light Aurora (borealis and australis)

523.6 **Comets**
- .61 Appearance and development
- .62
- .63 Orbits
- .64 Remarkable comets
- .65
- .66 Physical constitution
- .67 Spectrum
- .68
- .69 Charts, photografs, etc.

.7 **Sun**
- .71 Constants, dimensions
- .72 Heat and light: theories as to source
- .73 Apparent motion Rotation See 525.38 Tables
- .74 Spots, faculæ, and other features of surface
- .75 Prominences, chromosphere, corona
- .76 Theories of physical constitution
- .77 Spectrum
- .78 Eclipses
- .79 Charts, photografs, etc.

.8 **Stars**
- .81 Stellar parallax, distance
- .82 Heat and light Photometric observations Magnitude Visibility
- .83 Proper motion, stardrift
- .84 Variable, double, and multiple stars
- .85 Clusters and nebulas
- .86 Physical constitution
- .87 Spectrum
- .88
- .89 Constellations, maps, catalogs, etc.

.9 **Transits and occultations**
- .91 Transits of Mercury
- .92 Transits of Venus and solar parallax
  - .93 Delisle's method
  - .94 Halley's method
  - .95 Photografic method
  - .96 Transits of Venus to 1874
  - .97 Transit of 1882
  - .98
  - .99 Occultations

524 Maps, observations, and tables

Series of observatory publications may be kept together under 524, or under 522.19 with the history and reports of the observatory. Special maps or observations, e. g. on Sun or Moon, ar better placed in subsections 9 *under those heds* in 523, with charts and photografs, e. g. 523.79, thus leaving 524–524.8 blank. These numbers ar printed to provide a place in case it is wisht to keep *all* maps and observations together

.3 **Of moon** See also 523.39
.4 **Of planets** See also 523.49
.5
.6 **Of comets** See also 523.69
.7 **Of sun** See also 523.79
.8 **Star catalogs** See also 523.89

525 Earth

.1 **Constants**
.11 Mass Weight
.12 Density
.13 Dimensions, diameter
.14 Figure: geomorfy, equatorial belt
.15 Distance from sun
.16 Parallax
.2 **Heat Light**
.3 **Orbits and motions**
.31 Period of revolution
.32 Obliquity of ecliptic to equator
.33 Eccentricity
.34 Perturbations
.35 Rotation
.36 Foucault's pendulum
.37 Deviation of falling bodies and projectils
.38 Tables of the sun Apparent motion See 523.73 Sun
.4 **Geografic coordinates**
.41 Finding latitude See also 527.1
.42 By meridian altitudes
.43 By Pole star
.44 By altitude of 2 or more stars
.45 By other methods
.46 Finding longitude See also 527.2
.47 Terrestrial means: chronometers, telegraf, signals
.48 Celestial signals: eclipses, occultations, transits
.49 Lunar methods
.5 **Seasons**
.51 Effect of inclination of equator to ecliptic
.52 Effect of eccentricity of earth's orbit
.53 Secular changes of seasons
.54 Seasons on Mars and other planets

525.6 **Tides**
.61 Mathematic theory
.62 Effect of sun and moon in producing tides
.63 Distribution, diurnal inequality, spring and neap, priming and lagging
.64 Establishment of a port Coast form modification
.65 Velocity of hight of tide wave
.66 Tides on inland seas
.67 Supposed effect in retarding Earth's revolution
.68 Tide registering and predicting machines
.69 Tide tables
.7 **Twilight**

526 Geodesy

526.2-.8 apply to surveys of large tracts, requiring allowance for earth's curvature and more exact methods of determination. For local surveys see 526.9

.1 **Theory and determination of Earth's figure**
.11 Potentials of ellipsoids
.12 Equilibrium of rotating spheroid
.13 Law of ellipticity
.14 Airy's and Pratt's theories as to attraction of mountains
.15 Determination of figure by Airy, by Bessel, and by Clarke
.16 Ellipsoidal figure and position of axes
.17 Geoidal figure
.2 **Base mesuring and apparatus**
.21 Standards of length and temperature
.22 Apparatus of Struve, Bessel, Colby, U. S. coast survey, U. S. lake survey, etc.
.23 Adjustments of apparatus
.24 Location of base line
.25 Field operations
.26 Calculation of results and corrections
.27 Verification
.3 **Field work of triangulation**
.31 Reconnaissance
.32 Stations
Names, signals, tripods, scaffolds and towers, surface and underground monuments
.33 Observations, instruments and records
.34 Reduction to station's center
.35 Corrections for phase of signal and eccentricity
.36 Spirit leveling
.37 Barometric leveling
.38 Trigonometric leveling
These are methods. See 551.53, for results, lists of hights, etc.
.39

526.4 **Computation of triangulation**

.41 Spheric excess

.42 Legendre's theorem

.43 Chord process

.44 By spheric trigonometry

.45 By spheroidal trigonometry

See also application of least squares, 526.5

.46 **L M Z formulas and applications**

.47 Direct deduction by Bessel

.48 Deduction by Puissant

.49 Tables for computation

.5 **Theory of least squares in adjustment of figures, etc.**

.51 Method of independent angles

.52 Adjustment of a quadrilateral

.53 Adjustment of triangulation net

.54 Method of directions

.55 Adjustment for closure of a circuit

.56 Method of repetitions

.57 Adjustments of base mesures

.58 Adjustments of leveling

.6 **Astronomic determinations and their connection with geodetic results**

.61 Latitude determinations

.62 Longitude determinations

.63 Azimuth determinations

.64 Effect of irregularities of Earth's surface on latitude, longitude and azimuth

.65 Effect of same on angles of triangle

.7 **Gravity experiments and results**

.71 Mathematic theory

.72 Pendulum apparatus

.73 Pendulum operations

.74 Corrections

.75 Reduction of results

.8 **Map projections** See 515.5 Spheric projections

.81 Perspectiv projections

.82 Orthomorfic projections

.83 Development projections

.84 Zenithal projections

.85 Equivalent projections

526.9 **Surveying**
.91 Instruments and methods See 526.2
.92 Mesurement of distances
.93 Mesurement of angles
.94 Mesurement of hights
.95 Leveling See 526.36–.38
.96 Plotting
.97 Computation of areas
.98 Topografic drawing
.99 For special purposes: military, naval, railroad, mining, etc.

527 Navigation Nautic astronomy

.1 **Finding latitude at sea** See also 525.41
.2 **Finding longitude at sea** See also 525.46
.3 **Finding time at sea** See also 529.74
.4 **Sumner's method**
.5 **Great circle sailing**

528 Ephemerides Nautic almanacs

May be further subdivided like 061–068

.1	**American**	.4	**French**	.7	**Slavic**
.2	**English**	.5	**Italian**	.8	**Other**
.3	**German**	.6	**Spanish**	.9	**Ephemeris making**

529 Chronology

.1 **Sidereal and solar day**
Apparent and mean time, equation of time, causes of inequality
.2 **Eras, kinds of years, months, weeks, decades etc.**
.3 **Kalendars in general; including ancient and nonchristian**
.4 Christian kalendars
.41 Coptic and other primitiv Christian kalendars
.42 Kalendar of Julius Caesar
.43 Kalendar of Gregory, 1582– Almanacs
.44 Ecclesiastic kalendar: determination
For feasts etc and kalendars themselvs see 264.021, 264.031 etc
.5 Modern projects for reform of kalendar
.7 **Horology**
.71 Finding time by transit
.72 Finding by equal altitudes
.73 Finding by single altitude
.74 Finding by sextant See also 527.3
.75 Time systems, and standards
.76 Distribution of time
.77 Cosmic time
.78 Instruments for mesuring: dials, hourglasses, clocks, watches, etc.
See 522.51 for Sidereal clocks and chronometers
See 681.11 for Clock and watch making

530 Physics

Like Science in general: viz, general works only ar arranged
530.1 Philosofy .2 Compends, textbooks .3 Dictionaries .4 Essays, lectures, etc.
.5 Periodicals .6 Societies .7 Education, methods of teaching, experiments
.8 Physical units .9 History

531 Mechanics

.1 **Pure motion Kinematics**

.2 **Statics Grafic statics**

.21 Force and its mesure

.22 Composition of forces and motions

.23 Moments

.24 Parallel forces Center of gravity

.3 **Dynamics Kinetics**

.31 Rectilinear motion

.32 Vibration

.33 Undulation

.34 Rotation

.35 Centrifugal and centripetal force

.4 **Work Friction** See 621.89 Lubrication

.41 Unit of work

.42 Diagram of work

.43 Laws of friction Modulus of machines

.44 Sliding friction

.45 Rolling friction

.5 **Gravity**

.51 Law of universal gravitation

.52 Laws of falling bodies

.53 Pendulum

.54 Mass, density, etc.

.55 Projectils

.58 Apparatus for illustration

.6 **Conservation of energy**

.7

.8 **Machines Transmission of force**
See also 621.8 Mechanism of transmission

.81 Lever and balance

.82 Wheel and axle

.83 Cord and catenary

.84 Pulley

.85 Inclined plane

.86 Wedge

.87 Screw

.88

.9 **Tables Problems Questions**

532 Liquids Hydrostatics Hydraulics

.1 **Properties of liquids Pressure**
.2 **Equilibrium of liquids**
.3 **Buoyant effects Floating bodies**
.4 **Specific gravity Hydrometer**
.5 **Liquids in motion Hydrodynamics**
.51 Theoretic flow
.52 Orifises, adjutages, fluid vein
.53 Weirs, overfalls
.54 Pipes, open channels, rivers
.55 Bends, valvs, sudden enlargements and contractions
.56 Efflux; variable pressure
.57 Hydrometry Velocity
.58 Impulse and resistance
.59 Theory of waves
.6 **Capillary attraction**
.7 **Osmose Absorption**
.8 **Applications Machines** See 621.2 Water engins

Except for libraries making Physics much more prominent than Useful arts, all the 'Applications' wil be more useful under their proper heds in Useful arts. It is better to keep all the material in one place, referring to it from the other, rather than attempt division

.81 Hydraulic press See also 621.266
.82 Hydraulic engin See also 621.25
.83 Water ram See also 621.27
.84 Water wheels See also 621.21
.85 Water blast See also 621.269
.9 **Tables Problems Questions**

533 Gases Pneumatics

.1 **Properties of gases and vapors Absorption**
.2 **Laws of compressibility**
.3 **Atmosphere**
.4 Barometer
.5 Air pump
.6 Aeronautics 7 12
.7 **Kinetic theory of gases**
.8 **Applications** See 621.6 Blowing and pumping engins

Preferably clast in Useful arts, see 532.8, note

.82 Manometer Pressure gages See 621.18473 Steam generation
.83 Condensing pump
.84 Force pump
.85 Suction pump
.86 Diving bel
.87 Forge bellows
.88 Pneumatic dispatch
.9 **Tables Problems Questions**

534 Sound Acoustics

.1 Theory Undulations
.2 Propagation of sound: velocity, diffraction
.3 Musical sound Tuning forks See also 781.1 Theory of music
.4 Analysis of sounds Resonators
.5 Superposition of vibrations
.6 Grafic representations
.7 Physiologic: ear and larynx
For other relations see Ear, Larynx, in Relativ index following Tables
.8 Applications Preferably clast with topics elsewhere See 532.8, note
.81
.82
.83 Signals in navigation See also 654.9 Communication
.84 Applications to architecture
.85 Musical instruments See also 780 Music
86 Phonograf
.9 Tables Problems Questions

535 Radiation Light Optics

.1 Theory
.2 Propagation Velocity Mesurement
.3 Reflection Refraction Absorption
See also 522.92 Astronomy
.4 Dispersion Diffraction Interference
.5 Polarization Polariscope Double refraction
.6 Color
.7 Physiologic: eye
Optical principles of sight. See also Eyes in Relativ index
.8 Applications Preferably clast with topics elsewhere See 532.8, note
.81 Lenses and prisms
.82 Microscopes and magnifiers See also 578 Microscopy
.83 Telescopes See also 522.2 Astronomy
.84 Spectroscopes and spectrum analysis
Most general number. See also Spectroscopy, Spectrum, in Relativ index for other relations and applications
.85 Photografy See also 770
.86 Other applications of lenses
.87 Mirrors and reflecting instruments
.88 Lighthouses See also 627.9 Harbor engineering; 656 Commerce
.89
.9 Tables Problems Questions

536 Heat

.1 **Theory Nature**
.2 **Communication**
.3 **Action of bodies on heat**
.31 Reflection
.32 Refraction
.33 Radiation
.34 Absorption
.35 Diathermancy
.4 **Effects Action of heat on bodies**
.41 Expansion
.42 Liquefaction
.43 Solidification
.44 Vaporization and condensation
.45 Incandescence
.46 Combustion Flame
.5 **Temperature** See also 551.52 Meteorology; 613.18 Hygiene
.51 Thermometry
.52 Pyrometry
.53 Electric methods of mesuring
.6 **Calorimetry**
.7 **Thermodynamics Mechanical equivalent**
.8 **Applications** Preferably go in Useful arts.See 532.8, note
.81 Steam engins See 621.1 Engineering
.82 Gas engins See 621.43 Engineering
.83 Heating See 697, 621.19, 628.8, 644
.84 Ventilation See 697, 622.4, 628.8
.9 **Tables Problems Questions**

537 Electricity

See also 621.3 Electric engineering

.1 **Theory Nature**
.2 **Static**
.21 Quantity, potential
.22 Conduction, distribution
.23 Machines
.24 Condensers
.25 Electrometers
.3
.4 **Atmospheric Lightning rods**
.5 **Dynamic**
.51 Theory of coils Constants
52 Induction spark
.53 Induction spark in rarified gases
.6 **Electro dynamics**
.7 **Electric mesurements**

537.8 **Applications** Preferably clast in Useful arts. See 621.3, and 532.8, note
.81 Telegraf For telegraf business see 654
.82 Telefone Microfone
For telefone business see 654.6
.83 Dynamos Electric lighting
.84 Tranmission of power Storage
.85 Electrometallurgy
.86 Galvanometers Batteries Coils
.87 Medicin See also 615.84
.88 Electric signals See 654.9
.9 **Tables Problems Questions**

538 Magnetism

For Animal magnetism, Mesmerism, etc., see 134
.1 **Theory Properties of magnets Lines of force**
.2 **Communication Induction Touch**
.3 **Electromagnetism**
.4 Diamagnetism
.5
.6
.7 **Terrestrial magnetism**
.8 **Applied Magnetic machines**
.9 **Tables Problems Questions**

539 Molecular physics

.1 **Theory Molecular structure** Vortex rings
.2 **Properties of solids**
.3 **Elasticity Torsion**
.4 **Strength of materials**
See also 620.1 Engineering materials
.5 **Permanent displacement of molecules**
.51 Malleability
.52 Ductility
.53 Hardness
.54 Tempering
.6 **Intermolecular forces**
.7 **Radioactivity**
See also 541.38 Radiochemistry; 546.432 Radium
.8
.9 **Tables Problems Questions**

540 Chemistry

Pure or theoretic chemistry

.1 Early theories, alchemy, phlogiston .2 Compends .3 Dictionaries, cyclopedias .4 Essays, lectures, etc. .5 Periodicals .6 Societies .7 Education methods of teaching .8 Collectiv works .9 History

SUMMARY

541–542	**General chemistry**
541	Chemic theories
542	Operativ and experimental chemistry
543–545	**Analytic chemistry**
543	Analysis
544	Qualitativ analysis
545	Quantitativ analysis
546	**Inorganic chemistry**
547	**Organic chemistry**

REFERENCES

612.015	Physiologic chemistry	660	Chemic teknology
615	Medical "	669	Metallurgy
616.0756	Pathologic "	770	Photografy

541 Theoretic chemistry Physical chemistry

Modern chemic theories General properties of bodies from chemic point of view Composition Constitution Elemcnts and compounds Affinity Formulas Nomenclature

.1

.2 Atomic theory

Ultimate constitution of matter. Nature and phases of ultimate particles: atoms, ions, anions, kations, electrons. Atomicity. Relationship of mass to chemic properties of bodies. Laws of chemic combination: weight, definit proportions, equivalence, multiple proportions. Laws of volume for gases. Simple or compound nature of chemic elements. Molecules. Atomic and molecular weights; methods of determination. Atomic and molecular volumes Laws fundamental to atomic theory; see also 541.9 Classification, periodic law, etc.

See also physics, 532.4 Specific weights

.3 Physical chemistry

Borderland between physics and chemistry. Including densities in different phases; chemic affinity, statics and dynamics; thermochemistry and electrochemistry

.31 Solid state

See also physics, 536.43 Solidification; 539.2 Properties of solids

.32 Liquid state

See also physics, 532.1 Properties of liquids; 536.42 Liquefaction; 541.34 Solution

.321 General

Surface tension, vapor tension, viscosity, capillarity

.325 Special types of liquids: gelatinous liquids

.326 **Inorganic liquids**

.327 **Organic liquids**

.33 Gaseous state

Subdivide like 541.32. See also physics, 533.1 Properties of gases; 536.44 Vaporization

541.34 Solute state Solubility

.341 General

Surface tension, viscosity, diffusion, osmosis, conductivity. See also 532.7 Osmose of liquids; 542.61 Dissolving

1 **Theories: kinetic, hydrate and dissociation**

2 **Laws Terminology**

.342 Solution pressure Solubility

Tables of solubility

.344 Solubility and solution of different forms

1 Solids 2 Liquids 3 Gases Absorption

.345 Solution types

2 **Colloid solutions Emulsions**

Including general discussion of colloids

.346 Solvents

.35 Photochemistry

Relation of light to chemic action, of polarized light to chemic structure, etc.

.36 Thermochemistry

Relationship of heat to chemic properties of bodies. Thermodynamics and energetics applied to chemistry. Relations between specific heat and chemic constitutions. Molecular heats; atomic heats; latent heats of physical, allotropic, and chemic transformations. Principle of initial and final phases. Study of changes of phase. Melting points and boiling points. Liberation and absorption of heat in reactions. Exothermic and endothermic reactions. Variation with temperature of the quantity of heat used in transformations. Principle of maximum work

.37 Electrochemistry

.378 Magnetochemistry

.38 Radiochemistry

Chemistry of radioactiv substances. See also 539.7 Radioactivity; 546.432 Radium

.39 Chemic dynamics, statics and equilibrium Affinity

Homogeneous and heterogeneous chemic equilibriums. Kinetic theory of chemic equilibriums (of Guldberg and Waage, Pfaundler, van't Hoff); thermodynamic theory (of Willard Gibbs, of Horstmann, of van't Hoff, of Duhem, etc) Reaction velocities. Accelerating and retarding influences. Catalysis. See also in physics 536.7 Thermodynamics and energetics

Variation of affinity with physical conditions. Valence. Combinations. Unlimited and limited decomposition. Dissociation, efflorescence, limits of dissociation and maximum dissociation. Combustion

.4 Various types of compounds

Acids, bases, salts, alloys

.5 Molecular types

.6 Compound radicals

Stereochemistry Formulas of structure

.7 Allotropy

Isomerism Amorfous and crystallin states Tautomerism Polymerism

Clas here material on structure not included in 541.6

.9 Other general subjects

Classification Nomenclature Notation Formulas Stoichiometry Tables Periodic law

542 Practical and experimental chemistry

Manipulations Chemic operations For analyses see 543–545

.1 **Laboratories**

Interior construction and installation General arrangements For architecture see 727.5

.2 **Apparatus and manipulations** For special apparatus see 542.3–.9

.21 Manipulations Arrangements Procedure

.22 Preparation of substances

Mechanic separation: trituration, pulverization, porphyrization; mortars and pestles, crushers, sifting and sivs. Disintegration by wetting heated mass. Levigation

.23 Laboratory receptacles and their accessories

For uses of receptacles see also various processes and operations

.231 Glas and quartz

Beakers, bottles, flasks, retorts, test tubes, funnels, adapters, glas rods and tubing

5 **Glas manipulation: blowing, grinding**

.232 Porcelain

Evaporating dishes, tubes, retorts. Refractory pottery: crucibles, plates

.233 Metallic

Containers made of platinum, silver, iron, nickel, aluminum, etc.

.24 Supports Fixt, adjustable, wood. Triangles, tripods, clamps

.25 Stoppers Glas, cork, rubber Corkborers

.26 Rubber tubing Luting and cements

.29 Other appliances

.3 **Mesuring apparatus**

.32 Determination of weights and density

Balances and weights Descriptions and directions for use

.33 Specific gravity apparatus Clas preferably in 532.4

.35 Determination of volume

Mesuring volume of liquid Calibrated vessels Graduated pipets, burets and cylinders

.4 **Heating Distillation**

See also 536.5 Mesurement and regulation of heat; 542.53 Blowpiping

.41 General

.42 Heating with coal

Laboratory furnaces: trof, cupola, reverberatory, tubular, cupel, blast
Tube furnaces for organic analysis

.43 Heating with liquid fuels, etc. Lamps; special burners

.44 Heating with gas

Coal gas, carburetted air, acetylene, etc.
Fishtail and Bunsen burners; gas furnaces and grates; pressure regulators

.46 Indirect heating

Baths and heaters: water baths; salt, metal and oil baths; metal plates or wire gauzes

.47 Electric heating

Heaters, muffles and furnaces; kryptol furnaces
See also 542.8 Electric and galvanic manipulations

.48 Operations

Melting, fusing, boiling. Vaporization, distillation. Distilling apparatus, alembics or stills. Deflegmators. Vacuum operations
Evaporation with heat: sublimation, dessication. For evaporation in vacuum see 542.77

.49 Other heating operations

542.5 **Flames Blowpipes**

See also 544.2 Dry methods of analysis; 669.9 Assaying

.51 Flame

Nature of flame; candle flame; oxidizing and reducing flames

.52 Coloration of flame

Beads, colord beads Composit flames

.53 Blowpipes

Varieties of blowpipes and how to use them

For applications see Blowpiping in Relativ index following Tables

.6 **Aqueous and liquid treatment**

Dissolving, aqueous separation, levigation, etc; alcohol, ether, carbondisulfid, hydrocarbons, etc.

.61 Dissolving Solution

Solvents, maceration, digestion, decoction, lixiviation

.62 Determination of solubility Supersaturation

Supersaturated solution

.63 Diffusion

Lowering the solidification point or surfusion

.64 Dialysis Dializers

See also qualitativ analysis 544.5 Dialysis

.65 Solidification

Precipitation, crystallization, crystallizers

.66 Decantation

Decantation funnels, Florentin receivers, syfons, pipets

.67 Filtration and filters

Filtration with textils, with paper, thru cotton, asbestos, powders, etc. Hot filtration Filtration in seald vessels, by suction, by compression Filter presses

.68 Expression and presses Drying of press residues; drying machines

.69 Washing Continuous, automatic; decantation, wash bottles

.7 **Gas manipulation**

See also 545.7 Eudiometry

.71 General

.72 Gas production

.73 Gas collecting and decanting

Pneumatic trof, gas sampling-tube, gas pipets; displacement and decanting

.74 Washing and dissolving gas

Wash bottles Apparatus for drying and absorbing gas

.75 Gas storage Gasometers, rubber bags

.76 Gas mesurement Graduated tubes, meters

.77 Rarefaction of gas

Pumps: air, vacuum, mercury; blowing engins, bellows, suction gasometers; manometers; vacuum regulators; trompes

See also physics, 533.5 Air pumps

.78 Gas compression

Seald tubes and bulbs, bellows, compression pumps, gasholders

.79 Gas liquefaction and solidification

Faraday tubes Apparatus for expansion; of Thilorier; of Cailletet and Linde

542.8 Electric and galvanic manipulations

See also physics, 537.85 Applications of electricity to chemistry. Clas here only apparatus for preparing chemic substances, not apparatus for study of phenomena. For analytic apparatus see special substance under 543 or special process under 544 or 545

.9 Other operations

Attacks by acids and gases; oxidations, reductions etc.

543-545 Analytic chemistry

543 Analysis

Divided by material analyzed, whether qualitativly or quantitativly; i.e. substance takes precedence of process. Clas in 543 general works covering both qualitativ and quantitativ analysis

See also 614.3 Adulterations

.1 Analysis of food and drink

See also 613.2 Hygiene, 612.39 Nutrition

.2 Dairy products Milk

See also agriculture, 637 Dairy products

.3 Water

See also hygiene 613.31 Water as a beverage; and therapeutics 615.79 Mineral waters

.4 Analysis of drugs and medicins

See also 614.35 Inspection of drugs; 615 Medicin

.5 Poisons

See also 615.9 Toxicology

.6 Analysis of rocks and ores

See also 549 Mineralogy, 669.9 Assaying, 631.41 Soil chemistry

.7 Analysis of inorganic products in general

For general works and special matter not provided for in previous subdivisions of 543

.8 Analysis of organic products in general

For general works and special matter not provided for in previous subdivisions of 543

.9 Analysis of organic products of animal origin

For general works and special matter not provided for in previous subdivisions of 543 See also 577.1 Biology

544 Qualitativ analysis

Determination of chemic elements of substances General processes and methods

.1 **Wet method**

.11 Reagents

.12 Determination of bases

.13 Determination of acids

.2 **Dry method**

See also 669.9 Assaying

.3 **Blowpiping**

For other relations see Relativ index

.4 **Gas analysis Reactions**

Identifying an isolated gas Analysis of gaseous mixtures See also 545.7 Eudiometry

.5 **Dialysis**

For technic see 542.64; for electric dialysis see 542.8

.6 **Spectrum analysis**

See also physics, 535.84 Spectrum analysis

.7 **Polariscopic analysis**

See also physics, 535.5 Polarization

.8 **Microscopic examinations**

.9 **Other methods**

Electroanalysis

.92 Capillary analysis

545 Quantitativ analysis

.1 **Gravimetric**

Analysis by weighing, sampletaking

.2 **Wet method**

Titration solution, alkalimetry, acidimetry

.3 **Electric methods**

See also physics, 537.85 Electrometallurgy
For galvanoplastics see 671

.311 Constant current analysis

.312 Constant voltage analysis

.36 Catalytic analysis

.4 **Dry method**

Quantitativ analyses with blowpipe, cupellation etc.
See also 669.9 Assaying

.5 **Titrometric methods in general**

.6 Volumetric analysis of liquids

See also 542.3 Mesuring apparatus

.7 Volumetric analysis of gases

Eudiometry and eudiometers; gas burets, absorption pipets
See also 544.4 Gas analysis

.8 **Other methods**

Colorimetric Polarimetric Refractometric

.9 Synthesis

General processes

.97 **Electric synthesis**

546-547 Inorganic and organic chemistry

546 Inorganic chemistry

.1 **Nonmetallic elements**
.11 Hydrogen
.12 Halogen group
.13 Chlorin
.14 Bromin
.15 Iodin
.16 Fluorin
.17 Nitrogen group **Nitrogen**
.18 Phosphorus
.19 Arsenic
.2 Oxygen group
.21 Oxygen
.22 Sulfur
.23 Selenium
.24 Tellurium
.25 Carbon group
.26 Carbon
.27 Boron
.28 Silicon
.29 Helium group
.291 Helium .296 Radon Niton
.292 Neon
.293 Argon
.294 Krypton
.295 Xenon
.3 **Metals**
.31 Alkali group
.32 Potassium
.33 Sodium
.34 Lithium
.35 Rubidium
.36 Caesium
.37
.38
.39
.4 Alkalin earths
Calcium and magnesium groups considerd together
.41 Calcium
.42 Strontium
.43 Barium
.432 Radium See also 539.7 Radioactivity; 541.38 Radiochemistry
.44 Magnesium group
.45 Beryllium or glucinum
.46 Magnesium
.47 Zinc
.48 Cadmium
.49

546.5 **Led and silver group**
.51 Led
.52 Thallium
.55 **Silver group**
.56 Copper
.57 Silver
.58 Mercury
.59
.6 **Cerium group** Rare earths
.61 Yttrium
.62 Cerium
.63 Lanthanum
.64 Didymium
.642 Praseodymium
.643 Neodymium
.65 Erbium
.652 Ytterbium
.653 Terbium
.66 Aluminum
.67 Indium
.68 Gallium
.69 **Other metals of rare earths**
.691 Scandium
.692 Samarium or decipium
.694 Gadolinium
.695 Germanium
.696 Europium
.697 Thulium
.7 **Iron group**
Iron and chromium groups considerd together
.71 Manganese
.72 Iron
.73 Cobalt
.74 Nickel
.75 **Chromium group**
.76 Chromium
.77 Molybdenum
.78 Tungsten or wolfram
.79 Uranium See also 541.38
.8 **Tin group**
Tin and vanadium groups considerd together
.81 Tin
.82 Titanium
.83 Zirconium .832 Hafnium
.841 Thorium See also 541.38
.842 Actinium See also 541.38
.85 **Vanadium group**
.851 Vanadium
.86 Antimony
.87 Bismuth
.88 Tantalum
.891 Niobium or columbium
.892 Polonium See also 541.38

546.9 **Platinum group**
.91 Gold
.92 Platinum
.93 Iridium
.94 Osmium
.95 **Ruthenium group**
.96 Ruthenium
.97 Rhodium
.98 Palladium
.99 **False and putativ elements**
Arrange alfabeticly

547 Organic chemistry

.1 **Cyanogen and its compounds**
.2 **Hydrocarbons Fatty series**
For occurrence as minerals see 549.8
.21 Paraffins
.22 Olefins
.23 Acetylenes
.24 Valylene Dipropargyl, etc.
.25 **Aromatic series**
.26 Benzenes
.27 Diphenyl group
.28 Naphthalene Anthracene Phenanthrene
.29 Higher series

Subdivided like 547.2

.3 **Alcohols Phenols**
.4 **Ethers: simple, compound; haloid**
.5 **Aldehydes**
.6 **Ketones Quinones**
.7 **Acids: acid halids, acid anhydrids, sulfo-acids**
.8 **Nitroderivates: amins, compound ammoniums, amids, amic acids, azo-bodies, azoxy-bodies, hydrazo-bodies, diazo-bodies**
.9 **Compounds with metals**

548 Crystallografy

General; phenomena of a special mineral belong with that mineral; e.g cleavage of borates 549.73

.1 Systems of crystallization
.2 Twin crystals Crystallin aggregations
.3 Cleavage Isomorfism Polymorfism
.4 Irregularities Internal imperfections
.5 Formation and growth of crystals
.6 Pseudomorfs
.7 Mathematic: mesurement of angles
.8 Physical
.9 Optical

549 Mineralogy

.01 Philosofy, classification .02 Compends .03 Dictionaries .04 Essays, papers, etc. .05 Periodicals .06 Societies .07 Study and teaching, museums .08 Collectiv works .09 History

.1 Determinativ Blowpiping

See also 543.6 Methods of analysis of rocks and ores
See 542.53 Blowpipes and their manipulation. For other relations see Blowpiping in Relativ index following Tables

.2 Nativ elements
.3 Sulfids, tellurids, selenids, arsenids, antimonids, bismuthids
.4 Compounds of chlorin, bromin, iodin, and fluorin
.5 Oxygen compounds: oxids
.6 Silicates
.61 Anhydrous
.65 Hydrous
.7 Other ternary oxygen compounds
.71 Tantalates Columbates
.72 Phosphates Arsenates Vanadates Antimonates Nitrates
.73 Borates
.74 Tungstates Molybdates Chromates
.75 Anhydrous sulfates
.76 Hydrous sulfates
.77 Tellurates
.78 Carbonates
.79 Oxalates
.8 Hydrocarbons

Occurrence as minerals. For chemistry of hydrocarbons see 547.2; for economic geology see 553.2

.9 Geografic distribution

Divided like 940-999 For economic geology see 553.09

550 Geology

550.1 Philosofy, theories, geologic time .2 Compends .3 Dictionaries .4 Essays, papers, tracts, letters .5 Periodicals .6 Societies .7 Study and teaching, museums .8 Collectiv works .9 History

551 Physical and dynamic geology

Including geophysics (physiografy, physical geografy) and geochemistry broadly treated; see also 551.94. For Cosmic geografy, see 523

.1 Structure of earth as a whole
- .11 Interior of earth
  - .12 Internal heat
- .13 Earth's crust
- .14 Conductivity of rocks

.2 Seismology
- .21 Volcanoes
- .22 Earthquakes
- .23 Hot springs, geysers
- .24 Oscillations of the earth's crust

.3 Erosion and deposition
- .31 Glaciers and glacial phenomena
  - .32 Moraines
  - .33 Transported materials, till
- .34 Icebergs
- .35 Aqueous erosion
  - .36 Coast changes
- .37 Aerial erosion

.4 Surface features of the earth
- .41 Continents
- .42 Ilands
- .43 Mountains Valleys Orology
- .44 Caves
- .45 Plains
- .46 Oceans Submarine topografy
  - .47 Ocean currents
- .48 Rivers Lakes
- .49 Springs Wells Ground water

Division of Oceans for use under .46 and .47
- 1 Atlantic North sea Baltic
- 2 Mediterranean Black sea
- 3 Gulf of Mexico Caribbean
- 4 Southern Atlantic
- 5 Pacific
- 6 Eastern Pacific or American coast
- 7 Indian Bay of Bengal Red sea
- 8 Arctic
- 9 Antarctic

.5 Meteorology Climate
- .51 Atmosferic currents Winds
- .52 Thermometry, heat
  - For other relations see Heat, Temperature, in Relativ index following Tables
- .53 Hypsometry, elevations See 526.36–8 for methods
- .54 Barometry, pressure
- .55 Storms
  - See also 537.4 Atmosferic electricity
- .57 Moisture: rainfall, flow of streams, floods
- .58 Prairies, forests, and deserts

551.6 **Metamorfism**
.7 **Stratigrafic geology**
.71 Archean
.72 Primary, paleozoic, Cambrian
.73 Silurian
.731 **Lower Silurian**
.732 **Upper Silurian**
.74 Devonian Old red sandstone
.75 Carboniferous
.76 Secondary, mesozoic, triassic and Jurassic: lias, oolite
.77 Cretaceous
.78 Tertiary, cenozoic
.781 Eocene, oligocene
.782 Miocene
.783 Pliocene
.79 Quaternary Postpliocene Glacial
.791 Recent
.8 **Structural geology**
.81 Stratification
.82 Curvature and contortion
.83 Ripple marks and sun cracks
.84 Joints Cleavage Polarity in rocks
.85 Dip Outcrop Strike
.86 Anticlinal Synclinal
.87 Faults and folds Dislocations
.88 Veins Dykes Necks Bosses
.89
.9 **Agents of geologic work**
.91 Frost
.92 Water
.93 Atmosphere
.94 Geochemistry
Chemic changes: heat. See also note to 551
.95 Animals
.96 Coral reefs
.97 Plants
.98 Segregation and concretion
.99 Other agents

552 Lithology Petrografy Petrology

.1 **Igneous rocks**
.2 Volcanic rocks
.21 Lavas Scoria
.22 Volcanic ashes Volcanic tufa Tuff
.23 Obsidian Pumis Pitchstone
.24 Trachyte
.25 Rhyolite
.26 Andesite Dacite Phonolite
.27 Felsites
.28 Basalt
.29 Other volcanic rocks
.3 Plutonic rocks
.31 Porphyry Porphyrite
.32 Syenite
.33 Granit
.34 Diabase and gabbro
.35 Dolerite
.36 Diorite
.37 Norite
.38 Peridotite
.39 Other Plutonic rocks
.4 **Metamorfic rocks**
.41 Granits and syenites
.42 Gneiss
.43 Schists
.44 Slates Argillite Phyllite
.45 Quartzite Novaculite Itacolumite
.46 Marble Crystallin limestone
.47 Serpentine
.48 Chrysolitic rocks
.49 Other metamorfic rocks
.5 **Sedimentary rocks**
.51 Sandstone Conglomerate Sand Gravel
.52 Shale Clay Silt
.53 Gypsum Salt
.54 Limestone Marl Ooze
.55 Dolomite
.56 Oolite
.57 Infusorial or diatomaceous earth
.58 Glauconite Greensand
.59 Other sedimentary rocks
.6 **Meteorites**
.7 **Decay of rocks**

552.8 **Microscopic petrografy**
.81 Determination of rock minerals
.82 Rock structure

553 Economic geology

See also 622 Mining engineering

.1 **Ore deposits**
.11 Formation and structure
.12 Classification
.13 Superficial: placers
.14 Stratified: beds, etc.
.15 Unstratified
.16 **Disseminated thru eruptiv rocks**
17 **Stockwerks Fahlbands Contacts**
.18 **Chambers and pockets Impregnations**
.19 **Mineral veins**
.2 **Carbon series**
.21 Peat
.22 Lignite and jet
.23 Cannel coal Bituminous shale
.24 Bituminous and semibituminous coals
.25 Anthracite and grafitic anthracite
.26 Grafite Plumbago
.27 Asfalt and asfaltic coals Ozocerite
.28 Petroleum Natural gas
.29 Fossil gums and resins
.3 **Ores of iron**
.4 **Ores of metals other than iron**
.41 Ores of gold
.42 Ores of silver
.43 Ores of copper
.44 Ores of led
.45 Ores of zinc and tin Mercury
.46 Ores of manganese and chromium
.47 Ores of antimony and arsenic
.48 Ores of nickel and cobalt
.49 Other metallic ores
.5 **Bilding stones**
.51 Marbles and limestones
.52 Granits and syenites
.53 Sandstones
.54 Slates
.55 Serpentines Soapstones
.56 Porphyries
.57 Trap
.58 Tufa Peperino
.59 Other bilding stones

While the history of all other products goes in 553, history of metals is more useful in 669, Metallurgy

553.6 **Earthy economic minerals**
.61 Fire clays Brick clays Potter's clays
.62 Sands
.63 Rock salt Gypsum
.64 Phosphates Apatite Guano See also 631.85
.65 Emery Corundum
.66 Hevy spar Sulfur
.67 Asbestos, etc.
.68 Limes and mineral cements
.69 Other earthy economic minerals
.7 **Mineral waters**

.71 Alkalin
.72 Salin
.73 Chalybeate, ironbearing
.74 Sulfuric
.75 Calcic
See also 551.23
.8 **Gems Ornamental stones**
.9 **Other economic minerals**

554 Geology of Europe 554-559 subdivided by countries like 940-999
555 Geology of Asia
556 Geology of Africa
557 Geology of North America
558 Geology of South America
559 Geology of Oceania Polar regions

560 **Paleontology** Use form divisions as in 550 and divide 9 geograficly like 930–999; e. g. Paleontology of England = 560.942 See also last paragraf of notes under 581
561 Plants 561 is subdivided like Botany, 580
562 Invertebrates 562–569 is subdivided like Zoology, 592–599
563 Protozoa Radiates
564 Mollusks
565 Articulates
566 Vertebrates
567 Fishes Batrachia
568 Reptils Birds
569 Mammals

570 Biology Archeology

570.1 Philosofy .2 Compends .3 Dictionaries .4 Essays, lectures, etc.
.5 Periodicals .6 Societies .7 Study and teaching, museums
.8 Collectiv works .9 History

571 Prehistoric archeology

For Customs, see 390 For Archeology of special countries, see 913

.1 **Paleolithic, or early stone age**
.11 Drift remains
.12 Cave men
.13 Remains of animals Shells
.14 Chipt stones
.15 Flint flakes Arrow heds Knives, etc.
.16 Other stone remains
.19 Other remains
.2 **Neolithic, or late stone age**
.21 Stone quarries
.22
.23 Remains of animals
.24 Polisht stones
.25 Sharpend stones: celts, tools, wepons
.26 Perforated stones: spindles, net sinkers, pipes
.27 Hollowd stones: mortars, cups, food vessels
.28 Other stone remains
.29 Other remains
.3 **Bronze age**
.31 Ancient copper and tin mining
.34 Bronze remains
.35 Tools Wepons, etc.
.37 Cups Vessels
.39 Other remains
.4 **Iron age**
.5 **Other remains**
.51 Implements of wood
.52 Implements of bone
.53 Basket work
.54 Textil fabrics
.55 Pottery
.56 Glas
.6 **Prehistoric industries**
.7 **Rudiments of art Ornaments**
.71 Drawings
.72 Paint
.73 Sculptures
.74 Beads

571.8 **Dwellings**
.81 Natural caves
.82 Earth houses Pit dwellings Weems
.83 Lake dwellings Crannoges
.84 Cliff dwellings
.85 Pueblos
.86 Tents as dwellings
.9 **Mounds and monuments**
.91 Mounds and mound bilders
.92 Grave mounds
.93 Kitchen middens Shell banks
.94 Monoliths Cromlechs
.95 Circles Labyrinths
.96 Cairns
.97
.98
.99

572 Ethnology Anthropology

See also 136.4 Mental race caracteristics

.1 **Unity of human race**
.2 **Diversity of races**
.3 **Migrations of men**
.4 **Original home of man: Eden, Atlantis, etc.**
.5
.6
.7 **Savages: races divided by practises**
Clas description of savages of special country in 914–919; e. g. Australian bushmen 919.4
.8 **Races divided by language like 400**
.9 **Races divided by countries like 930-999**
Divide by countries where possible. Use language divisions for groups like Semitic, Aryan, Teutonic, English, etc.

573 Natural history of man Somatology

.1 **Man's place in nature**
.2 **Origin of man**
.3 **Antiquity of man**
.4 **Influence of climate and surroundings**
.5 **Color in man**
.6 **Anthropometry**
.7 **Craniology**
.8 **Dwarfs and giants**
.9 **Monstrosities**
See also 611.012 Teratology; 613.91 Congenital defects; 617.3 Deformities

574 Physiologic and structural biology Natural history

Subdivided where wisht like 581 and 591; but clas phylogeny on 575, variation on 575.2, ecology on 575.3, abiogenesis on 576.1, cytology on 576.3

575 Evolution Phylogeny

See also 213 Creation; 215 Religion and science; 239.8 Apologetics

.01 Theory
.016 Miscellaneous theories
2 Darwinism
3 Orthogenesis Determinate evolution
4 Weismannism
5 Mutation theory
6 Lamarckism
.07 Study and teaching
.072 Experiment and reserch
5 Methods
52 Conserving method
53 Agricultural "
54 Horticultural method
56 Zooteknic "
.1 Heredity Eugenics

See also 613.9 Hygiene of offspring, stirpiculture. For other relations see Heredity in Relativ index following Tables

.11 General questions and laws
.112 Blending inheritance
2 **Galton's law**
.113 Alternativ inheritance
2 **Mendel's law**
.114 Mosaic inheritance
.12 Inheritance of caracters
.122 Normal hereditary units Genotypes
.123 Inheritance of acquired caracters
Permanence of acquired caracters
.124 Inheritance of sports
.125 " " fluctuating variations Phenotypes
.126 Heredity of special caracters
2 **Factors of caracters** 4 **Polymorfic caracters**
3 **Sexual caracters**

575.13 Breeding Heredity
.131 Theoretic and general questions
2 **Effects of external influences**
3 " " **internal** "
.132 Outbreeding Mongrelization
See also 575.282 Hybridization
.133 In-and-in breeding Self fertilization
Effects of consanguinity, incest
.134 Sterility
.135 Xenia
.136 Telegony
.137 Atavism
.138 Cytology of heredity and breeding
.139 Other topics
.15 Mekanic fenomena
.16 Chemic "
.17 Morfologic "
.2 Variation
Divided like 581.15, but clas selection on 575.4–.5
.3 Ecology Environment Bionomics
Divided like 581.5. See also 136.2 Mental characteristics; 573.4 Natural history of man
.4 Adaptation Adjustment
.42 Factors of adjustment
.422 Self adaptation
.423 Natural selection Survival of the fittest
.424 Artificial "
.43 Special results
.432 Cros fertilization
.433 Resistance to unfavorable environment
.5 Sexual selection
.6 Development
.7 Degeneration Regeneration Extinction
.8 Origin of species
.9 " " sexes
See also 574.36 Production and differentiation of sexes

576 Origin and beginnings of life

.1 Abiogenesis Spontaneous generation
.2 Protoplasm Bioplasm
.3 Cels Cytology
Divided like 581.87
.4 Beginnings of motion and sensation
.5 Associations of cels and unicellular organisms Cel colonies

577 Properties of living matter

.1 **Chemic: difference between organic and inorganic**
See also 574.19 Biochemistry

.2 **Life: difference between ded and living matter**
See also 612.013 Physiology

.21 Theoretic and general questions
Nature of life

.212 Mekanism

.213 Vitalism

.214 Physico-biologic conception of life
Structure necessary to life

.22 Living and ded matter

.23 Molecular life
Life considerd as sinthesis of molecular energies

.24 Relations between life and deth

.3 **Difference between vital and physical fenomena**

.4 **Conditions of life: moisture, temperature**
See also 575.3 Ecology

.5 **Difference between plants and animals**

.6 **Vital force**

.7 **Deth**
See also 612.013

.72 Definitions Conditions Causes

.73 Longevity and mortality of living organisms

.74 Fenomena of decomposition among living organisms
Autolysis, putrefaction

.75 Types of deth

.76 Signs " "

.8 **Sex in nature**
See also 575.9 Origin of sexes

.81 Theoretic and general questions
Nature of sex

.82 Sexes

.822 Male

.823 Female

.824 Hermaphrodite

.825 Neuter

.84 Factors effecting sex
Sex inversion

.841 External factors

.842 Internal "

.85 Physiologic fenomena

.86 Morfologic "

.88 Determination of sex

.9 **Other topics**

578 Microscopy See also 535.82 Optics

.1 Varieties of microscopes

.2 Optic parts

.3 Mekanic parts

.4 Accessory apparatus Management of microscope

.5 Illuminating apparatus

.6 Preparation and mounting of objects

.7 Special preparation and study of inorganic material

.8 " botanic material See 581.8 Histology

.9 " zoologic material " 591.8 "

579 Collectors manuals

.1 Preparing skeletons

.2 Preservativs and hardening fluids

.3 Injections

.4 Taxidermy

.5 Mounting specimens

.6 Collecting

.611 Alluring; bait, light etc.

.612 Hunting; nets, collecting bottle, etc.

.613 Killing

.614 Exchange Purchase

.615 Rearing

.616 Transporting

.7 Arrangement of specimens in museums

.71 Cabinets .72 Labels

.8 Preservation of specimens

.81 Museum pests .82 Pestifuges .83 Prevention of moisture .84 Retention of color

.9

580 Botany

For full list of form divisions see Table 2 after Relativ index

.1 Theory
.14 Nomenclature Terminology Simbols Abbreviations
For dictionaries see 580.3
.142 Etimology
.143 Scientific
2 Names of genera, species etc
3 Teknical terms: organs, functions, processes etc
.144 Popular
.148 Sistems of notation: simbols, abbreviations etc
.7 Study and teaching
.72 Reserch and experimentation
.722 Laboratories
.723 Field work
.725 Methods
2 Under glas
22 Comparison of conditions under glas and in life
3 In life
32 Comparison of artificial and natural conditions
4 Methods of culture
42 Sterilization of cultures
5 Biometric and statistical methods
.9 History of botany
Divided like 930–999. For geografic distribution of plants see 581.9

581 Physiologic and structural botany

.1 **Physiology**
.11 Circulation Transport
Absorption and movement of liquid substances, sap
.111 Theoretic and general questions
Nature of circulation
.112 Absorption of liquids
.113 Circulation of "
Rize of sap
.114 Translocation and distribution of foods
.115 Methods
1 **Adhesion Cohesion**
2 **Capillarity**
3 **Imbibition**
4 **Diffusion**
5 **Osmosis**
6 **Suction**
62 Leaf suction Negativ tension
63 Root suction Root pressure
7 **Stem action**
8 **Action of living cels**
9 **Other**

581.12 Respiration

Katabolism; see also 581.132 Digestion, 581.14 Excretion, 581.193 Fermentation

.121 Theoretic and general questions

Nature of respiration. Absorption and movement of gases

2 **Aeration and aerating sistem**

22 Absorption of gases

23 Circulation " "

3 **Oxidation**

32 Complete

33 Incomplete

34 Production of carbon dioxid

35 " " light, phosforescence, luminescence

36 " " heat Temperature attaind

37 Other products of oxidation

4 **Respiratory ratio**

5 **Influence of external conditions**

.122 Dermal respiration

.124 Intercellular respiration

.126 Tracheal respiration

.128 Intramolecular or anaerobic respiration

.129 Exhalation and transpiration

Exudation, guttation. See also 581.14 Secretion and excretion

.13 Nutrition Metabolism

.131 Acquisition of food

.132 Digestion " "

.133 Assimilation and storage of food Anabolism

1 **Theoretic and general questions**

Nature of assimilation

2 **Assimilation by autotrophic plants**

3 " " **allotrophic or heterotrophic plants**

4 **Processes of assimilation**

42 Photosynthesis

Agents: chlorophyl, carotinoids, bacteriopurpurin

43 Chemosynthesis

44 Nitrification

45 Proteid synthesis

581.1335 **Substances assimilated**
52 Carbon
53 Nitrogen
54 Mineral substances
542 Water
543 Sulfur
544 Phosforus
545 Iron
546 Mineral salts
2 Calcium salts 3 Potassium salts 4 Sodium salts
55 Organic foods
552 Vegetable
553 Animal
6 **Reassimilation of degenerate parts**
7 **Products of assimilation**
72 Protoplasm
73 Plastic products
8 **Food storage** **Reservs**
82 Formation of reservs
83 Dissolving " " "
84 Distribution
85 Types of reservs
852 Water
853 Starchy or amylaceous
854 Cellulose
855 Oily or oleaginous
856 Albuminoid and nitrogenous
9 **Other topics**
.134 Growth
1 **Theoretic and general questions**
12 Rate and periodicity
Rest periods
13 Influence of tissue tension
14 Polarity Internal influences Correlations
15 Influence of environment
152 Meteorologic conditions
Divided like 551.5
153 Light
154 Electricity
155 Mekanic forces
2 **Primary growth**
22 Growing regions Vegetativ points
23 Methods of growth
232 By cel enlargement and lengthening
2 Protoplasmic growth
3 Growth of cel wall; of enveloping membrane
233 By cel division, multiplication
3 **Secondary growth**
32 Normal growth with single annual cambium layer
322 Growth of central cilinder
323 " " bark or surface
33 Abnormal growth
See also 581.22 Teratology

581.135 Devclopment Ontogeny
General and postembyronic; for embryonic development see 581.3
1 **Theoretic and general questions**
Nature of development
2 **Differentiation and development of members**
See also 581.4 Morfology, 581.7 Organografy. Divided like 581.4
3 **Periods of development**
32 Youth
33 Maturity
34 Rejuvenescence
35 Senescence Degeneration Decline
352 Exfoliation
Scaling or peeling off
353 Falling of leavs
354 " " branches
355 Cicatrization
36 Deth
.136 Repair of waste
.137 Production of organic material
.138 Conditions of nutritiv activity
Water culture mediums, etc
.139 Longevity Vitality
.14 Secretion Excretion
.141 Mucous Sebaceous Laticiferous
2 **Mucous** 3 **Sebaceous: fats etc** 4 **Laticiferous: latex, gums etc**
.142 Sericeous
.143 Digestiv
.144 Protectiv and attractiv
Odoriferous, sweet, luminous, electric, etc.
2 **Odoriferous**
Essences, perfumes, resins etc
3 **Sweet-tasting**
Nectar, honey etc
4 **Pigmentary**
42 Green coloring matter, chlorophyl
43 Yellow " " xanthophyl
44 Red " " carotinoids
45 Blue " " anthocyans
46 Purple " " bacteriopurpurin
.145 Poisonous Gall formation
See also 581.27 Galls
.146 Spermatic
.149 Other
2 **Urinary** 4 **Cristallin** 5 **Inorganic**
Urea etc Amorfous inorganic products, etc

581.15 Variation
See also 575.2 Evolution
.151 Theoretic and general questions
Nature of variation
2 **Physiologic, embryologic and cytologic aspects**
22 Production of variations
23 Variation and development
232 Variation at special developmental stages
233 " and recapitulation
24 Correlated variation
242 Immediate or physiologic correlation
243 Mediate or biometric "
2 **Homotypy**
25 Variation and germ plasm
252 Corresponding variation of chromosomes and soma
26 Variation and heredity
See also 575.1 Evolution
3 **Variation of particular caracters**
31 General laws
311 Varietal vs specific caracters
312 New vs old caracters
313 Secondary sexual caracters
314 Variation in caracters of wideranging species
32 Seeular variation and periodicity
4 **Variation and selection**
42 Natural selection Adjustment
43 Artificial "
45 Sexual "
9 Polymorfic variation
.152 Environmental variation Modification
Extrinsic causes of variation
2 **Meteorologic influences**
Divided like 551.5
3 **Effect of light**
4 " " **electricity**
5 " " **gravity and other mekanic forces**
6 **Geografic variation**
7 **Effect of nutritiv agents**
72 Food
73 Water
74 Chemic agents
75 Solutions
.153 Heterofagic
.154 Polygoneutic
.155 Mimetic
.156 Sexual
Sexual dimorphism, etc
.157 Colorational
.158 Hybrids Grafts
Intrinsic causes of variation
2 **Hybrids** 3 **Grafts** See also 581.16582 Propagation
.159 Mutations Abnormalities
Monstrosities. See also 581.22 Teratology

581.16 Generation Reproduction
.161 Abiogenesis Spontaneous generation
.162 Parthenogenesis Apogamy Apospory Neuters
.163 Metagenesis Alternation of generations
.165 Vegetativ, asexual, nonsexual reproduction
1 **Theoretic and general questions**
Nature of vegetativ reproduction
2 **Fission Fragmentation**
22 Strobilation
23 Gemmation Unicellular budding
3 **Brood organs: bulbils, gemmae, gonidia, soredia etc**
4 **Bulbs Tubers Winterbuds (as of Potamogeton) etc**
5 **Shoots, offsets, propagules, runners etc**
6 **Shedding of hormogons, branches or other parts**
7 **Regeneration**
8 **Artificial propagation**
82 Grafts 83 Slips or cuttings 84 Layers
9 **Other**
.166 Sexual reproduction
Nuclear fusions
1 **Theoretic and general questions**
Nature of sexual reproduction, formation of sex cells, etc; **see also** 581.36 Production of sexes
2 **Fertilization Fecundation Conjugation**
22 Pollination
23 Self vs cros fertilization
24 " fertilization
242 Cleistogamy
25 Cros fertilization
252 Dichogamy
253 Heterogamy
2 **Dimorphic** 3 **Trimorphic**
254 Diclinism
2 **Monoecious** 3 **Dioecious** 4 **Polygamous**
256 Adaptation to special carrying agents
2 **Forms of adaptation**
Traps, vexillary disposition, etc
3 **Hydrophily**
4 **Anemophily**
6 **Zoophily**
Divided like 590, but clas adaptation for insect carriers on 581.1662567
7 **Entomophily**
Divided like 595.7
26 Artificial control of fertilization
.167 Hermaphroditism
.168 Viviparity
.169 Superfetation Superfecundation Superfertilization
Double fertilization, triple fusion, twinning

581.17 Histogenesis
.171 Development of sperm cels
.172 " " germ cels Micropyle
.179 Reparation of wounds Regeneration of parts
.18 Irritability and movement
.181 Theoretic and general questions
Nature of irritability; perception and transmission of stimuli
.182 Physical or mekanic movements
2 **Stability**
3 **Elasticity**
4 **Turgidity**
5 **Tensions**
6 **Hygroscopic movements**
62 Movements due to cohesion of water content
Dehiscence of anthers, projection of sporangia, etc
63 Movements due to swelling or distention
.183 Paratonic movements
1 **General irritations or stimuli**
2 **Tropisms**
Movements dependent on direction of stimulus
22 Geotropism
23 Water and moisture tropisms Chemic tropisms
232 Rheotropism
233 Hydrotropism
234 Osmotropism
235 Chemotropism
2 **Aerotropism**
24 Light and heat tropisms
242 Phototropism Heliotropism
243 Radiotropism
244 Thermotropism
25 Electrotropism Galvanotropism
26 Haptotropism Stereotropism Thigmotropism
Of tendrils, sensitiv plants, etc
27 Traumatropism
3 **Nastic movements**
Movements dependent on intensity of stimulus independently of direction
32 Nyctinastic Nyctitropic Photeolic Photonastic
Sleep movements, periodic sleep, etc
33 Seismonastic
Movements due to shock (as in Mimosa, Biophytum etc)
34 Thermonastic
4 **Taxies Locomotion**
Divided like 581.1832; see also 581.1866 Autonomic locomotion
.184 Turgor movements
Gyrations etc (as of traps, trigger hairs, etc)

581.185 Autonomic movements
- 2 Of variation
- 3 " nutation and circumnutation
- 4 Epinasty
- 5 Hyponasty
- 6 Projections due to motions of variation and nutation
  - Projection of germs and spores thru such movements

.186 Cytoplasmic, protoplasmic movements
- 2 Streaming
- 3 Rotation
- 4 Movement of plastids
- 6 Autonomic locomotion
  - See also 581.1834 Paratonic locomotion
- 62 Swimming
  - 622 Ciliary 623 Flagellary 624 Excretory
- 63 Rampant Creeping Ameboid

.19 Physiologic chemistry

.192 General chemic composition
- Plant constituents
- 2 Composition of ash
- 3 Organic composition
- 4 Necessary elements
- 5 Superfluous "
- 6 Noxious and toxic elements Poisons
- 7 Stimulants
- 8 Mutual influences of constituents Protectiv influence of salts
- 9 Other topics

.193 Ferments and fermentation Enzymes and catalysis
Zymolysis
- 1 Theoretic and general questions
  - Energesis etc; see also 581.12 Respiration
- 2 Processes and products
- 3 Influences of external factors
- 4 Special ferments
  - 41 Oxidants Oxidases Reducing ferments
  - 42 Hydrolytic
  - 43 Proteolytic
  - 44 Lipolytic and saponifying
    - 442 Lipolytic
    - 443 Saponifying
  - 45 Amylolytic and sucroclastic
  - 46 Glycolytic
    - 461 Alcoholic
- 9 Antiferments Antienzymes

.194 Hormones Vitamins

.196 Internal reactions

.197 Special products
- Divided like 547 Organic chemistry

581.2 **Pathology**
See also 632 Agriculture

.21 Nonparasitic or physiologic diseases
Diseases due to malnutrition, etc

.22 Teratology Malformation
See also 581.159 Abnormalities

.221 Union of organs Abnormal fusions

2 **Cohesion**
Union of similar parts

3 **Adhesion**
Union of dissimilar parts

7 **Synophyty**
Union of embryos

8 **Union of special organs or parts**
Divided like 581.4

.222 Division Separation Adesmy
Abnormal fissions

2 **Division of similar organs or parts**

3 " " **dissimilar organs or parts normally attacht**

7 " " **embryo**

8 " " **special organs or parts**
Divided like 581.4

.223 Displacement Ectopy
Abnormal position of organs

2 **Homotopy**

3 **Heterotaxy**

7 **Displacement of embryo**

8 " " **special organs or parts**
Divided like 581.4

.224 Metachromism and metamorfism

2 **Metachromism**
Abnormal changes of color

27 Of embryo

28 " special organs or parts
Divided like 581.4

3 **Metamorfism**
Change of 1 organ or part into another. For normal metamorfosis see 581.34

37 Of embryo

38 " special organs or parts
Divided like 581.4

.225 Changes of number

8 **Of special organs or parts**
Divided like 581.4

.226 Deformations Heteromorfy

2 **Fasciation**

3 **Enations**

4 **Torsion**

7 **Deformation of embryo**

8 " " **special organs or parts**
Divided like 581.4

.227 Stasimorfy Atrofy Loss of function Abortion Suppression

7 **Of embryo**

8 **Of special organs or parts**
Divided like 581.4

581.228 Hypertrofy
Abnormal enlargement of organs or parts
7 Of embryo 8 Of special organs or parts
Divided like 581.4

.229 Other abnormalities

.23 Parasitic and infectious diseases
For galls see 581.27; see also 581.55763 Parasitism, 581.693 Parasitic plants

.232 Diseases due to parasitic plants

2 **Bacterial diseases**
Divided like 589.95

3 **Algal diseases**
Divided like 589.3–.6

4 **Smuts Bunts**

5 **Rusts**

6 **Other fungus diseases**
Clas here general works on fungus diseases. Divided like 589.2

7 **Other thallophytic diseases**
Clas here general works on thallophytic diseases. Divided like 589

8 **Diseases due to other parasitic plants**
Divided like 580

.233 Diseases due to parasitic animals

3 **Protozoans**
Divided like 593.1

5 **Worms**
Divided like 595.1

7 **Insects**
Divided like 595.7

9 **Diseases due to other parasitic animals**
Divided like 590

.234 Virus diseases

.24 Injuries
Divided like 632.1

.25 Anatomy of diseasd and injured tissues

.26 Cytology " " " " "

.27 Galls

.271 Theoretic and general questions
Nature of gall producing stimuli, etc

.272 Fungus galls Mycodomatia Mycocecidia
Divided like 589.2

.273 Galls due to other plant agencies
Clas here general works on galls due to plant agencies. Divided like 580

.274 Insect galls
Divided like 595.7

.275 Galls due to other animal agencies
Clas here general works on galls due to animal agencies. Divided like 590

.276 Regions affected
Divided like 581.4

.277 Anatomic study of galls

.28 Means of protection against diseases
Divided like 632.9

.29 Other topics

581.3 **Embryology Phylogeny**

.32 Sporogenesis Gametogenesis

.322 Microsporogenesis Spermatogenesis

.323 Macrosporogenesis Oogenesis

.324 Spore sacs

2 **Ovules** 4 **Sporogonia Sporangia**

3 **Thecae** 5 **Spore mother cels**

.325 Embryo sacs and spores

2 **Embryo sacs**

3 **Pollen grains**

4 **Spores**

42 Asexual spores 43 Sexual spores

Gonidia, zoospores Zygospores, oospores, carpospores

.326 Gametes

2 **Isogametes** 4 **Coenogametes** 6 **Spermatozoids**

3 **Anisogametes** 5 **Eg cels**

.327 Seed

For seed morfology see 581.467

.33 Development of embryo

.331 Theoretic and general questions

Division of fusion nucleus, etc

.332 Anatomy of embryo

2 **Embryonic tissues** 7 **Cotyledon** 8 **Radicle**

5 **Stem** 74 Plumule 9 **Suspensor**

.333 Germination

.334 Seedling

1 **Theoretic and general questions**

Significance of juvenil stages, etc

5 **Primary shoot or stem**

52 Hypocotyl

53 Epicotyl

7 **Primary leavs**

8 " **root**

.34 Metamorfosis

For abnormal metamorfism see 581.2243

.35 Hypermetamorfosis

.36 Production and differentiation of sexes

See also 575.9 Origin of sexes, 581.1661 Formation of sex cels

.38 Phylogeny

See also 575 Evolution

581.4 **Morfology Comparativ anatomy Homologies**
.41 Circulatory organs Vascular sistem
.413 Fibrovascular bundles
2 Xylem Tracheae 4 Phloem Bast Siv tubes
3 Cambium 5 Leaf traces
.414 Veins Venation
.42 Respiratory organs
.421 Stomata Lenticels
2 Stomata 3 Lenticels
22 Gard cels
.423 Aerenchyma
.424 Intercellular spaces
.43 Nutritory organs
Mesophyl, palisade cels, etc
.44 Secretory and excretory organs
.442 Laticiferous vessels
.446 Secretory glands and cels
Nectaries, epidermal glands, etc
.46 Generatory organs
.462 Cryptogamic generatory organs
2 Antheridia 3 Archegonia Oogonia 4 Sporophyls
.463 Flowers
As generatory organs; for flowering plants see 582.13
1 **Theoretic and general questions**
12 Origin of flower
13 Differentiation
2 **Gross anatomy**
22 Peduncle
23 Receptacle
24 Perianth
242 Calyx Sepals
243 Corolla
2 Petals 3 Ligules
Vexilla, banners or standards
244 Corona
25 Essential organs
252 Stamens Androecium
Filament, anther, pollen sac
253 Pistils Carpels Gynoecium
Ovary, style, stigma
4 **Estivation**
5 **Inflorescence**
6 **Modifications of flower parts**
.464 Fruit
See also 634 Agriculture
.467 Seed
For seed formation see 581.327
2 **Anatomy**
22 Nucellus 25 Micropyle
23 Endosperm See also 581.172 Development of germ cels
24 Seed coats

581.47 Motory organs Integumentary sistem
.473 Motory organs
2 Cilia 3 Flagella
.477 Integumentary sistem
Cuticle, epidermis, cortex, bark
.478 Hairs, emergences etc
1 **Hairs, trichomes, bristles, tentacles**
Piliferous layers, root hairs, etc
2 **Emergences, prickles, papillae, warts etc**
.48 Nervous sistem
.49 Regional anatomy
.492 Thalloid structures
.495 Stems
1 **Theoretic and general questions**
12 Origin of stem
13 Differentiation
2 **Gross anatomy**
22 Collar 24 Internodes
23 Nodes 25 Terminal bud
3 **Storage and supporting regions**
32 Pith 34 Bundle sheath
33 Medullary rays 35 Mekanic tissues
5 **Branches and branching**
6 **Modifications**
62 Aerial stems
Cladodes or cladophyls, phylloclades, thorns, stem tendrils, filaments, haptera etc
63 Underground stems
Rhizomes, bulbs, corms, tubercles etc
622 Climbing stems
.497 Leavs Fronds Phyllomes
1 **Theoretic and general questions**
12 Origin of leaf 13 Differentiation
2 **Gross anatomy**
22 Blade Lamina 25 Base of leaf
23 Petiole 26 Stipules Stipels Ocreae Ligules
24 Cicatrix Leaf scar
3 **Storage and supporting regions**
4 **Leaf buds Vernation**
5 **Phyllotaxy Leaf arrangement**
6 **Modifications**
Spines, phyllodes, leaf tendrils, bracts, involucres etc
.498 Roots
1 **Theoretic and general questions**
12 Origin of root 13 Differentiation
2 **Gross anatomy**
Root cap, etc
3 **Storage and supporting regions**
5 **Secondary roots Root branching**
6 **Modifications**
Aerial and adventitious roots, root tendrils, root buds, haustoria, rhizoids etc

581.5 **Habits Behavior Ecology Bionomics**
See also 581.15 Variation

.51 Instinct

.52 Environment Abode

.522 Individual ecology Autecology
Adaptation and response in general

2 **Effect of environment on individual**
For climate and seasons see 581.54

22 Soil Edaphic factors

23 Light

24 Electricity Magnetism

25 Gravity and other mekanic factors

26 Smoke

27 Fluid substances
For food see 581.53

272 Gases
2 **Oxygen** 3 **Carbon dioxid** 4 **Noxious gases**

273 Water

274 Chemic and poisonous solutions

275 Osmotic solutions

3 **Effect of individual on environment**

32 Prevention of wethering and erosion

33 Sand binding

34 Deposition of silt and plant remains

35 Soil enrichment Accumulation of humus

36 " exhaustion

37 Modification of atmosferic conditions

4 **Adjustment Acclimatization**

5 **Ecologic anatomy**
Correlation of structure with environment, advantageous or adaptiv structure

52 Ecologic anatomy of organs
Divided like 581.4

53 Ecologic anatomy of tissues
Divided like 581.82

54 Structural correlations with special environmental factors
Divided like 581.5222

55 Structural correlations with special climatic factors
Divided like 551.5

6 **Migration Dissemination**
See also 581.166256 Reproduction

61 Theoretic and general questions
Centers of distribution, migration routes, etc

62 Dissemination by wind

63 " " water

632 " " glaciers

64 " " gravity

65 " " propulsion

66 " " offshoots, runners etc

67 " " animals
Divided like 590

68 Dissemination by man

69 Other

581.524 Associational ecology Synecology

1 **Theoretic and general questions**
Mutual influences of living organisms

12 Nature of competition

14 Natural pruning

15 Toxic effects

2 **Invasion**

3 **Succession**

31 Theoretic and general questions
Dynamic relations

32 Succession correlated with physiografic factors Physiografic ecology

322 Succession following seismologic disturbances
Divided like 551.2

323 Succession following erosion and deposition

1 **Following glaciation**

5 " **aqueous erosion and river activity**

7 " **wind erosion and deposition**

72 Blow-outs

73 Dunes

8 **Following landslides**

324 Succession due to orografic movement

325 " in lake-swamp-medow series

326 " following floods and breaking of dams

33 Succession following disturbances by animal agencies
Divided like 590

34 Succession following disturbance by man

342 Burnd areas
Including areas burnd by other agencies, e.g. lightning

343 Lumberd areas Natural reforestation
For artificial forestation see 634.956

344 Following cultivation

346 " drainage

347 " irrigation

4 **Zonation**

41 Theoretic and general questions
Causes of zonation, etc

42 Horizontal zonation

43 Vertical "

44 Climatic zones

441 Arctic regions
Polar-niveal

442 Temperate regions

5 **Subtropics**

443 Tropics

444 Alpin regions

2 **Arctic-alpin** 3 **Boreal-subalpin**

5 **Alternation**

581.526 Formational ecology
- 1 **General physiognomy and aspect**
- 2 **Factors determining occurrence and extent of formations**
- 3 **Hydric formations Hydrophytes**
  - 32 Aquatic formations
    - 322 Running water
    - 323 Benthos
      - Flora attacht to bottom of sea, streams etc
      - **2 Freshwater 3 Saltwater 4 Brackish water Foul water**
    - 324 Pleuston
      - Submerged free swimming or floating freshwater flora, found specially in quiet water under shelving banks
    - 325 Plankton Pelagic botany
      - Free swimming or floating surface flora
      - **2 Freshwater 3 Saltwater 4 Brackish water Foul water**
    - 326 Hot water
  - 33 Freshwater swamp and low moor formations
    - For salt marsh formations sce 581.526522
  - 34 Heath formations
  - 35 Bog and high moor formations
- 4 **Mesic formations Mesophytes**
  - 42 Forest formations
    - 422 Rain forest formations
      - **2 Tropic 3 Temperate**
    - 423 Monsoon forest formations
    - 424 Savannah woodland "
    - 425 Deciduous or hardwood forest formations
    - 426 Evergreen forest formations
      - **2 Conifer 3 Krummholz Elfin wood 4 Sclerophyl**
    - 427 Thorny forest formations
  - 43 Vines Climbing plants Lianas
  - 44 Epiphytes
  - 45 Prairie formations
- 5 **Xeric formations Xerophytes**
  - 52 Halic formations Halophytes
    - 522 Salt marsh formations
    - 523 Alkali land "
  - 53 Desert and semidesert formations
    - 532 Chaparral formations
    - 533 Tundra or cold desert formations
    - 534 Arid or dry desert "
    - 535 Strand formations
    - 536 Dune "
      - See also 581.52432373 Dune succession
  - 54 Rock surface formations
  - 55 Snow and ice "

.527 Floristics Floral regions
- For floras of special geografic regions see 581.9
- **1 Theoretic and general questions**
- **2 Floral regions and their delimitation**
- **3 Cosmopolitanism**
- **4 Endemism**
- **5 Barriers**
- **6 Polyphylesis**
- **7 Adventiv plants**
- **8 Statistical floristics**
- **9 Other topics**

581.53 Food Nutritiv substances
See also 581.13 Nutrition
.532 Inorganic
.533 Organic
For parasitism see 581.55763
2 **Of vegetable origin**
3 **" animal "**
32 Carnivorous and insectivorous plants
4 **Saprophytism Saprophytes**
.54 Climatic conditions Seasons
.542 Effect of climatic conditions
1 **Winds**
2 **Temperature**
22 Cardinal points
23 Harmonic optimum, etc
24 Freezing Winter killing
25 Temperature inversions, etc
3 **Altitude**
4 **Barometric pressure**
5 **Storms**
6 **Cosmic influences**
7 **Rainfall**
8 **Dryness**
9 **Other**
.543 Seasonal habits Phenology
2 **Spring**
3 **Summer**
4 **Autum**
5 **Winter**
6 **Periods of quiescence, dormancy, suspended animation**
Hibernation, encystment etc
.55 Sociability Plant associations and associes
.552 Consociations Consocies
Dominant groups within an association
.553 Societies Socies Clans
Subdominant groups within an association
.554 Colonies
Small groups on otherwize bare areas
.555 Climax and seral communities
2 **Climax communities**
22 Edaphic
3 **Seral communities**
.557 Symbiosis Consortism
2 **Mutualistic**
22 Commensalism Mutualism Messmatism
23 Prototrophy
24 Mycorrhiza
25 Myrmecophilism Myrmecophytes Acarophilism
3 **Conjunctiv**
32 Individualism
33 Helotism
4 **Contingent**
42 Nutricism
5 **Disjunctiv**
52 Metabiosis
6 **Antagonistic Antipathetic**
62 Syntrophism
63 Parasitism
See also 581.23 Parasitic diseases, 581.693 Parasitic plants

581.56 Breeding habits

.57 Means of protection and attraction

Adaptations for self preservation

.572 Against mekanic forces

2 Solidity of organs 4 Sensitivity Sensitiv plants

3 Attachment of organs

.573 Against plants and animals

For symbiotic protection see 581.557

2 Anatomic means 5 Electric means

Spines etc

4 Chemic means 7 Deceptiv means Mimicry

Secretions, raphides etc Protectiv resemblance

.574 Means of attraction Fascination

.6 Economic botany Applied botany

See also 630 Agriculture

.61 Usefulness

.62 In nature

.63 As food and medicin

.632 Food for man

.633 Fodder plants and products

.634 Medicinal plants

Divided like 615.3

8 Drug adulterants

See also 614.35 Adulteration of drugs

.64 In chemistry and manufactures

.642 Fiber plants and fibers

Divided like 633.5

.643 Wood and wood products

Divided like 634.98. Do not clas here products specificly provided for under other hedings, e.g. Food products 581.63, Tanning materials 531.644, etc

.644 Tanning materials

.645 Oils

.646 Waxes

.647 Bleaching and dyeing materials

Divided like 667

.648 Gums, resins, essences etc

Divided like 668

649 Other useful plants

.65 Noxiousness Weeds

See also 632.5 Parasitic and injurious plants

.66 Offensiv plants

.67 Plants causing diseases

.68 Injuring plant and animal products and inorganic substances

.69 Injuring living plants and animals

.692 Poisonous plants

.693 Parasitic "

See also 581.23 Parasitic diseases, 581.55763 Parasitism

581.7 Organografy Descriptiv anatomy
Divided like 581.4

.8 Histology Cytology
See also 578.8 Microscopic botany

.81 Theoretic and general questions
.811 Origin and nature
.812 Formation
.813 Modification
.814 Growth
Cambium activity. See also 581.134 Nutrition

.82 Kinds of tissues
See also 581.4 Morfology

.821 Absorptiv and conductiv or siv tissues Prosenchyma
.822 Aerativ tissues
.823 Synthetic " Chlorenchyma
.824 Secretiv and excretiv tissues Glandular tissues
.825 Water storage tissues Aqueous tissues
.827 Fundamental and mekanic tissues
2 **Fundamental or ground tissues Parenchyma**
3 **Protectiv and mekanic or sustaining tissues**
32 Collenchyma
33 Sclerenchyma

.84 Histologic structure of organs
Divided like 581.4

.87 Cytology Cel physiology
For general cytology see 576.3

.871 Theoretic and general questions
.872 General cel structure and contents
.873 Protoplasmic contents
2 **Nucleus**
22 Linin network
23 Chromosomes Chromatin
24 Nucleolus
25 Spiremes
26 Nuclear membrane
3 **Plastids**
32 Chloroplasts
33 Chromoplasts
34 Leucoplasts
4 **Cytoplasm**
42 Trophoplasm
43 Kinoplasm
432 Centrosomes Centrospheres
433 Asters
434 Blepharoplasts
46 Plasma membrane

581.874 Nonprotoplasmic contents Cel sap
2 **Food material: aleurone grains, etc**
3 **Pigments**
4 **Vacuoles**
8 **Waste products**

.875 Cel wall

.876 " activities
See also 581.186 Protoplasmic movements

2 **Cel reproduction**
See also 581.165 Vegetativ generation

22 Direct nuclear division Amitosis

23 Indirect " " Mitosis Karyokinesis

231 Theoretic and general questions
Dynamics of mitosis

232 Prophase

233 Metaphase

234 Anaphase Reduction division
Meiosis, chromosome reduction, synapsis

235 Telophase

238 Artificial mitosis
Mekanic or physical imitations

24 Segmentation of protoplasm

242 Cleavage by constriction or by furrows

243 " " cel plates

244 Free cel formation

3 **Cel unions and nuclear fusions**
See also 581.1662 Fertilization

5 **Cel degeneration and deth**
See also 581.13535 Degeneration, 581.13536 Deth

7 **Cel activities at critical ontogenetic periods**
See also 581.16 Generation, 581.3 Embryology

.877 Specialized plant cels
For reproductiv cels see 581.16 Generation, 581.3 Embryology

2 **Coenocytes**

.878 Comparativ cel morfology and physiology

.879 Other topics

581.9 Geografic botany Geografic distribution of plants

See also 581.527 Floristics

This Geografic clasification is to be uzed only for general works and cros references. 'Flora of North America' is 581.97; but 'North American cryptogams' is 586 with a reference from 581.97, but North American phanerogams go with 581.97 becauz it so completely covers the subject. General works covering both Phanerogamia and Cryptogamia ar put under 580 as books covering Vertebrates and Invertebrates ar put under 590

In applying these numbers to Fossil plants, 561, note that one more figure must be uzed than for fossil animals. The Zoology numbers ar alredy given in the 3d place in Paleontology, e.g. 592 Invertebrates, 562 Fossil invertebrates, and so on to 599 Mammals, and 569 Fossil mammals. But in Fossil plants, 561, all 8 sections ar groupt together and the section number must be repeated. Fossil phanerogams ar 561.2 not 562, which is assignd to Invertebrate zoology as more important, Lichens ar 561.91, etc. In the same way the Fossil flora of North America is 561.197, i.e. the first 2 Botany figures, 58, ar changed to 561 to giv the corresponding Fossil botany number, while in Zoology the only change is from 59 to 56 for first 2 figures, except in 591 which can not change to 561, which is assignd to Botany. The Fossil fauna of North America must therefore go among general works under 560.97

.91 Insular floras

Geografic distribution. Divided like 930–999

.92 Aquatic flora Marine flora

Geografic distribution. See 581.52632 for general discussions of aquatic plants, where the geografic feature is of distinctly minor importance. Clas here works on aquatic flora in general, when the geografic element is prominent, also works on marine flora divided like 551.46 and .47, e.g. Marine flora of Pacific ocean 581.925, but with Antarctic ocean included with Arctic on 581.928

.929 Freshwater flora

Divided like 930–999

.93–.99 By country

Divided like 930–999

582–589 Sistematic botany Taxonomy

Based on Bentham & Hooker's *Genera plantarum;* revized and expanded in 1928, in accordance with best German, English and American authorities, thereby bringing tables up to date and providing (without seriously disturbing erlier work) for clasifying material written by different authorities with varying ideas, as represented by books and articles, both old and new, which wil be found in libraries and to a stil greater extent in bibliografic collections

Authorities consulted

Bessey, C. E. & E. A. Essentials of college botany. ©1914
Britton, N. L. Manual of the flora of the northern states and Canada. 1901
Clute, W. N. Fern allies of North America north of Mexico. 1928
Encyclopaedia Britannica
Engler, A. & Gilg, E. Syllabus der pflanzenfamilien. 1924
.....Prantl, K. Die natürlichen pflanzenfamilien. 1887–1909
2. aufl. 1924–
Hirmir, M. Handbuch der paläobotanik. 1927
Hutchinson, J. Families of flowering plants: 1 Dicotyledons. 1926
Rendle, A. B. Classification of flowering plants. 1904–25. 2v.
Standard dictionary
Swingle, D. B. Textbook of systematic botany. 1928
Webster, N. New international dictionary
West, G. S. Treastise on the British freshwater algae. New and rev. edition.. F. E. Fritsch. 1927

582 Phanerogamia Embryophyta siphonogama Spermatophyta Seed plants

For general works; clas works relating to a special order, family, genus, species etc under appropriate division of 583–585. See also 634.9 Forestry, 715.2 Trees

.1 **General groupings**

.11 By life duration

.112 Annuals

.113 Biennials

.114 Perennials

.12 Herbaceous plants

For grasses see 584.9

.13 Flowering plants

Wild flowers. Clas here general works on wild flowering plants, even when including trees and shrubs as wel as herbaceous plants. Clas wild flowering plants of a special locality in 581.93–.99

.14 Other herbaceous plants

.142	**Succulent herbs**		.145	**Mat herbs**
.143	**Carpet herbs**	**Polster**	.146	**Cushion herbs**
.144	**Rosette** "		.147	**Bush** "

.15 Woody plants

.16 Trees

.17 Shrubs

.172	**Bushes**	.173	**Half shrubs**

.18 Woody vines

.19 Other

Woody succulents

.2–.9

See, in Appendix following Relativ index, table for Systematic botany from Universal Decimal Classification, which may be used as substitute for D. C. 582–589

583–584 **Angiospermae Anthophyta Flowering plants**

583 Dicotyledones Dicotyledonae Dicotyledoneae

.1 **Archichlamydeae Polypetalae**

See also 583.9 Apetalae
Axiflorae-apopetalae-polycarpellatae, Calyciflorae-apopetalae. Choripetalae. Dialypetalae
Archichlamydeae includes Polypetalae and Apetalae (583.9)

583.11–.255 **Axiflorae-apopetalae-polycarpellatae**

583.11–.193 **Thalamiflorae**

.11 Ranales Ranunculales

Polycarpicae
See also the following, included by Engler & Gilg under Ranales: 583.931 Lauraceae, 583.9312 Hernandiaceae

.111 **Ranunculaceae Crowfoot family**

Clas here Ranunculineae, given by Engler & Gilg as a suborder including Ranunculaceae, Menispermaceae (583.116), Berberidaceae (583.117) and Lardizabalaceae (583.1172)

.112 **Dilleniaceae Rough leaf tree family**

Clas here Dilleniales, given by Hutchinson as an order including Dilleniaceae and Crossosomataceae (583.36) See also 583.16 Theineae

.113 **Calycanthaceae Carolina allspice or strawberry shrub family**

.114 **Magnoliaceae Magnolia family**

Clas here Magnoliales, given by Hutchinson as an order including, besides Magnoliaceae and next 3 families below, Trochodendraceae (583.1191) and Cercidiphyllaceae (583.1192); clas here also Magnoliineae, given by Engler & Gilg as a suborder including, besides Magnoliaceae and the families given below (583.1144–.1152), Calycanthaceae (583.113), Lauraceae (583.931) and Hernandiaceae (583.9312)

2 **Winteraceae**

3 **Schizandraceae**

Included by Engler & Gilg as a tribe, Schizandreae, of Magnoliaceae (583.114)

4 **Himantandraceae**

5 **Lactoridaceae**

6 **Myristicaceae Myristiceae Nutmeg family**

Changed from 583.927, as most authorities consulted clas under Ranales (583.11) Clast by Hutchinson under Laurales (see 583.931)

7 **Monimiaceae**

Changed from 583.928, as most authorities consulted clas under Ranales (583.11) Clast by Hutchinson under Laurales (see 583.931)

8 **Gomortegaceae**

Clast by Hutchinson under Laurales (583.931), by other authorities consulted under Ranales (583.11)

.115 **Anonaceae Annonaceae Custard apple family**

Clas here Anonales, given by Hutchinson as an order including Anonaceae and Eupomatiaceae (583.1152)

2 **Eupomatiaceae**

.116 **Menispermaceae Moonseed family**

583.117 **Berberidaceae Barberry family**

Berberideae is, according to Engler & Gilg, a tribe belonging to this family. Clas here Berberidales, given by Hutchinson as an order including Berberidaceae etc

2 **Lardizabalaceae**

3 **Circaeasteraceae**

4 **Sargentadoxaceae**

.118 **Nymphaeaceae Waterlily family**

Clas here Nymphaeineae, given by Engler & Gilg as a suborder including Nymphaeaceae and Ceratophyllaceae (583.1182); clas here also Cabombaceae, included by Engler & Gilg as a subfamily, Cabomboideae, of Nymphaeaceae; and Nelumbaceae, included by Engler & Gilg as a subfamily, Nelumbonoideae, of Nymphaeaceae

2 **Ceratophyllaceae Ceratophylleae Hornwort family**

Changed from 583.987, as all authorities consulted clas under Ranales (583.11)

.119 Trochodendrineae

1 **Trochodendraceae Trochodendron family**

2 **Cercidiphyllaceae**

.12 Parietales Rhoeadales

See also the following included by Engler & Gilg under Parietales:

583.112	Dilleniaceae	583.462	Caricaceae
.245	Ochnaceae	.468	Begoniaceae
.45	Passiflorales	.469	Datiscaceae
		.983	Lacistemaceae

.121 **Sarraceniaceae Pitcher plant family**

Clas here Sarraceniales, given by most authorities consulted as an order including Sarraceniaceae, Droseraceae (583.393) and Nepenthaceae (583.9221)

.122 Rhoeadales Rhoedales Papaverales

See also 583.286 Bretschneideraceae, included by Engler & Gilg under Rhoeadales. Authorities differ considerably as to inclusivness of Rhoeadales

1 **Papaveraceae Poppy family**

Clas here Rhoeadineae, given by Engler & Gilg as a suborder of Rhoeadales (583.122) with only 1 family, Papaveraceae

2 **Moringaceae Moringeae**

Clas here Moringineae, given by Engler & Gilg as a suborder with only 1 family, Moringaceae. Clast by Hutchinson under Capparidales (see 583.13)

3 **Fumariaceae**

Included by Engler & Gilg as a subfamily, Fumarioideae, of Papaveraceae (583.1221)

.123 **Cruciferae Brassicaceae Mustard family**

Clas here Cruciales, given by Hutchinson as an order with only 1 family, Cruciferae

583.13 Capparidineae

Clas here Capparidales, given by Hutchinson as an order. See also 583.123 Cruciferae, included by Engler & Gilg under Capparidineae

.131 **Capparidaceae Capparideae Caper family**

Koeberliniaceae is included by Engler & Gilg as a subfamily, Koeberlinioideae, of Capparidaceae

.132 **Tovariaceae Tovaria family**

.133 **Resedaceae Mignonette family**

Clas here Resedineae, given by Engler & Gilg as a suborder with only 1 family, Resedaceae

.134 **Cistaceae Rock rose family**

Clas here Cistineae, given by Engler & Gilg as a suborder including Cistaceae and Bixaceae (583.138)

.135 **Violaceae Violarieae Violet family**

Clas here Violales, given by Hutchinson as an order including Violaceae etc

.136 **Cochlospermaceae**

Clas here Cochlospermineae, given by Engler & Gilg as a suborder with only 1 family, Cochlospermaceae

.137 **Canellaceae Winteranaceae Wild cinnamon family**

.138 **Bixaceae Bixineae Arnotto family**

Clas here Bixales, given by Hutchinson as an order including Bixaceae etc

.139 **Flacourtiaceae**

Clas here Flacourtiineae, given by Engler & Gilg as a suborder including Violaceae (583.135), Winteranaceae (583.137), Stachyuraceae (583.1392), Turneraceae (583.455), Passifloraceae (583.456), Malesherbiaceae (583.457) and Achariaceae (583.458)

2 **Stachyuraceae**

.14 Polygalineae

Given by Engler & Gilg as a suborder of Geraniales (583.21) including Polygalaceae (583.143) and Tremandraceae (583.142)

A group 'of doubtful position' (Rendle) variously placed — near Parietales (583.12), with Sapindales (583.28) or with Geraniales (583.21)

Clas here Polygalales, given by Hutchinson as an order including Polygalaceae (583.143) etc

.141 **Pittosporaceae Hedge laurel family**

Clast by Engler & Gilg under Saxifragineae (583.38) with Pittosporeae as a tribe of Pittosporaceae. Clas here Pittosporales, given by Hutchinson as an order including Pittosporaceae etc

.142 **Tremandraceae Tremandreae**

See note under 583.14

.143 **Polygalaceae Polygaleae Milkwort family**

See note under 583.14

.145 **Vochysiaceae San Juan family**

Clast by Engler & Gilg under Geraniales (583.21) Hutchinson includes under Polygalales (see 583.14)

583.15 Caryophyllineae

Clas here Caryophyllales, given by Bessey and Hutchinson as an order including Caryophyllaceae (583.152) etc. See also 583.91 Centrospermae

.151 **Frankeniaceae**

.152 **Caryophyllaceae Caryophylleae Pink family**

See also 583.91 Centrospermae

.153 Silenoideae Sileneae, pinks, catchflies, campions

.154 Alsinoideae Chickweed, starworts, stitchworts

See also 583.912 Illecebraceae, included by Engler & Gilg under Alsinoideae

1 Polycarpeae Allseeds
2 Alsineae Chickweeds
3 Sperguleae
4 Paronychieae Whitlow-worts
5 Scleranthcae
6 Pterantheae

.156 Portulacineae

See also 583.91 Centrospermae

1 **Portulacaceae Portulaceae Purslane family**

Clast by some authorities under Caryophyllales (see 583.15), by others under Centrospermae (583.91)

2 **Basellaceae**

.158 Tamaricineae Tamariscineae Tamaricaceae Tamarisk family

Clas here Tamaricales, given by Hutchinson as an order including Tamaricaceae etc. See also Frankeniaceae (583.151) and Elatinaceae (583.161), included by Engler & Gilg under Tamaricineae

.16 Theineae Guttiferales

Theineae is given by Engler & Gilg as a suborder of Parietales (583.12) including (besides most of families given in subdivisions below) Dilleniaceae (583.112) and Ochnaceae (583.245) Clas here Theales, given by Hutchinson as an order including Theaceae (583.166) etc. He also has Guttiferales, including Guttiferae (583.163) etc. Bessey and Rendle hav Guttiferales, including Theaceae (583.166), Guttiferae (583.163) etc, while Britton givs Theaceae directly under Parietales

.161 **Elatinaceae Elatineae Waterwort family**

See also 583.158 Tamaricineae

.162 **Hypericaceae Hypericineae St Johnswort family**

Included by Engler & Gilg and Rendle as a genus, Hypericum, under Guttiferae (583.163)

.163 **Guttiferaceae Guttiferae Clusiaceae Balsam fig family**

.164 **Eucryphiaceae**

.165 **Quiinaceae**

.166 **Theaceae Ternstroemiaceae Camelliaceae Tea or camellia family**

1 **Actinidiaceae**

2 **Saurauiaceae**

Included by Engler & Gilg in Actinidiaceae (583.1661)

3 **Medusagynaceae**

4 **Strasburgeriaceae**

Included by Hutchinson in Theaceae (583.166)

5 **Caryocaraceae Souari nut family**

6 **Marcgraviaceae**

.167 **Dipterocarpaceae Dipterocarpeae Wingd fruit tree family (camfor, gurjun-balsam, dammar)**

.168 **Chlaenaceae Schizolaenaceae**

Clast by Hutchinson under Theales (see 583.16), by Bessey and Engler & Gilg under Malvales (583.17) Clas here Chlaenineae, given by Engler & Gilg as a suborder with only 1 family, Chlaenaceae

583.17 Malvales Columniferae

See also 583.168 Chlaenaceae, included by Engler & Gilg under Malvales

.171 Malvineae

.172 Malvaceae Mallow or cotton family

.173 Bombacaceae Silk-cotton tree family

.18 Sterculiaceae Coco family

.19 Tiliaceae Linden family

Clas here Tiliales, given by Hutchinson as an order including Tiliaceae etc

.191 Gonystylaceae

.192 Elaeocarpineae Elaeocarpaceae

.193 Scytopetalineae Scytopetalaceae

.2 Disciflorae

.21 Geraniales

Clas here Geraniineae, given by Engler & Gilg as a suborder of Geraniales, including most families of the order. See also the following, included by Engler & Gilg in Geraniales:

583.14 Polygalineae
.142 Tremandraceae
.143 Polygalaceae
583.145 Vochysiaceae
.951 Euphorbiaceae

.211 Linaceae Flax family

.212 Erythroxylaceae Coca family (cocain)

.213 Humiriaceae Bastard bullet tree

.214 Malpighiaceae Golden spoon tree

Clas here Malpighiineae, given by Engler & Gilg as a suborder of Geraniales (583.21) including Malpighiaceae, Trigoniaceae (583.215) and Vochysiaceae (583.145); clas here also Malpighiales, given by Hutchinson as an order including Malpighiaceae etc

.215 Trigoniaceae

.221 Zygophyllaceae Lignum vitae or caltrop family

Zygophylleae is given by Engler & Gilg as a tribe of Zygophyllaceae, subfamily Zygophylloideae

.223 Geraniaceae Geranium family

.224 Oxalidaceae Wood sorrel family (oxalis)

.225 Tropaeolaceae Nasturtium or Indian cres, canary bird flower

.226 Balsaminaceae Jewel weed family (touch-me-not)

Bentham & Hooker, Bessey, Hutchinson and Rendle clas this with Geraniales (583.21); Britton and Engler & Gilg with Sapindales (583.28) Clas here Balsaminineae, given by Engler & Gilg as a suborder with only 1 family, Balsaminaceae

.23 Rutaceae Rue family

Clas here Rutales, given by Hutchinson as an order including Rutaceae etc

.241 Simarubaceae Bitterwood or ailantus family

Simarubeae is given by Engler & Gilg as a tribe of Simarubaceae, subfamily Simaruboideae

.242 Cneoraceae

.245 Ochnaceae Red ironwood family

See also 583.16 Theineae

.247 Burseraceae Torchwood family

.251 Meliaceae Mahogany family

Clas here Meliales, given by Hutchinson as an order with only 1 family, Meliaceae

.252 Akaniaceae

.253 Callitrichaceae Water starwort family

Clas here Callitrichineae, given by Engler & Gilg as a suborder with only 1 family, Callitrichaceae

.255 Dichapetalaceae Chailletiaceae

Clas here Dichapetalineae, given by Engler & Gilg as a suborder with only 1 family, Dichapetalaceae

583.26–.497 Calyciflorae-apopetalae

583.26 Olacales Olacaceae Olacineae Olacad family

Olacaceae is variously clast: by Hutchinson in Olacales, by Engler & Gilg and Rendle in Santalales (see 583.942 Santalineae), by Bessey in Celastrales (583.27)

.27 Celastrales

Included by Britton and Engler & Gilg under Sapindales (583.28); Bentham & Hooker, Bessey, Hutchinson and Rendle giv as separate order

.271 Celastrineae

Given by Engler & Gilg as a suborder including, besides the families given below, Salvadoraceae (583.716)

.272 **Celastraceae Staf tree family**

.273 **Cyrillaceae Cyrilla family**

.274 **Stackhousiaceae Stackhousieae**

.275 **Corynocarpaceae**

Rhamnaceae, previously clast on this number, has been changed to 583.2791, as Britton, Engler & Gilg, Hutchinson and Rendle hav order Rhamnales (see 583.279) including Rhamnaceae and Vitaceae (583.2792)

.276 **Hippocrateaceae**

.277 **Staphyleaceae Bladder nut family**

.278 **Pentaphylacaceae Pentaphyllaceae**

Pentaphylax (only genus belonging to this family) included by Hutchinson in Theaceae (583.166)

1 **Aquifoliaceae Ilicaceae Ilicineae Holly family**

Changed from 583.269, as recent authoritics clas family under Celastrales (583.27)

.279 Rhamnales

1 **Rhamnaceae Buckthorn family**

Rhamneae is given by Engler & Gilg as a tribe of Rhamnaceae. Changed from 583.275 as being a family of order Rhamnales, as constituted by Britton, Engler & Gilg, Hutchinson and Rendle

2 **Vitaceae Ampelidaceae Ampelideae Vine or grape family**

.28 Sapindales

See also following, included by Engler & Gilg under Sapindales:

583.226	Balsaminaceae	583.716	Salvadoraceae
.27	Celastrales	.984	Empetrineae

.281 Sapindineae

.282 **Sapindaceae Soapberry family**

.283 **Aextoxicaceae**

.284 **Aceraceae Maple family**

.285 **Hippocastanaceae Buckeye family**

.286 **Bretschneideraceae**

Included by Hutchinson in Sapindaceae (583.282) Clas here Bretschneiderineae, given by Engler & Gilg as a suborder of Rhoeadales (583.122) with only 1 family, Bretschneideraceae

.287 Melianthineae

1 **Melianthaceae Honey plant family**

2 **Greyiaceae**

Included by Engler & Gilg in Melianthaceae (583.2871) as a genus, Greyia, and by Bentham & Hooker in Sapindaceae (583.282); Hutchinson givs as a family under Cunoniales (see 583.397)

583.288 Didiereineae Didiereaceae

.289 Icacinineae Icacinaceae

.291 Sabiineae Sabiaceae

.292 Anacardiineae Anacardiaceae Cashew or sumac family

.293 Buxineae Buxaceae Box family

Clast by Engler & Gilg under Sapindales (583.28), by Hutchinson under Hamamelidales (see 583.394) and by Rendle under Tricoccae (see 583.951)

.294 Limnanthineae Limnanthaceae False mermaid family

Clast by Engler & Gilg under Sapindales (583.28), by Bessey and Hutchinson under Geraniales (583.21)

.297 Coriariineae Coriariaceae Coriarieae

Clas here Coriariales, given by Hutchinson as an order with only 1 family, Coriariaceae. Changed from 583.298 to bring into affiliation with Sapindales (583.28) under which it is clast by Engler & Gilg

.298 Anomalous Disciflorae

583.297 and .298 hav been transposed to bring Coriariaceae under Sapindales. See note under 583.297

583.3–.497 Calyciflorae

.3 Rosales

See also the following, included by Engler & Gilg under Rosales: 583.141 Pittosporaceae, 583.92 Podostemonineae, 583.971 Platanaceae

.31 Rosineae

See also 583.971 Platanaceae, included by Engler & Gilg under Rosineae

.311 **Connaraceae**

Clast by Hutchinson under Sapindales (583.28)

.32 **Leguminosae Pulse family**

.321 Mimosoideae Mimosaceae Mimosa subfamily

.322 Papilionatae Papilionaceae Fabaceae Pea subfamily

.323 Caesalpinioideae Caesalpiniaceae Cassiaceae Senna subfamily

The 3 groups, 583.321–.323 ar given by Engler & Gilg and Rendle as subfamilies of Leguminosae; Bessey, Britton and Hutchinson uze the family names — Bessey and Britton as families of Rosales, Hutchinson as families of Leguminosae, which he givs as an order. Krameriaceae is included by Engler & Gilg in Caesalpinioideae as a tribe, Kramerieae

.36 **Crossosomataceae**

See also 583.112 Dilleniales

.37 **Rosaceae Rose family**

Malaceae and Pomaceae ar included by Engler & Gilg in Rosaceae, subfamily Pomoideae (apple subfamily); Prunaceae and Drupaceae or Amygdalaceae ar included by Engler & Gilg in Rosaceae, subfamily Prunoideae (plum or peach subfamily)

583.38 Saxifragineae

Clas here Saxifragales, given by Hutchinson as an order including Saxifragaceae (583.381) etc. See also 583.141 Pittosporaceae, included by Engler & Gilg under Saxifragineae

.381 **Saxifragaceae Saxifrage family**

The following, given as families by some authorities, ar included by Engler & Gilg in Saxifragaceae: Saxifrageae as a tribe, subfamily Saxifragoideae; Hydrangeaceae as a subfamily, Hydrangeoideae (Hydrangea subfamily); Escalloniaceae as a subfamily, Escallonioideae; Parnassiaceae as a tribe, Parnassieae, of Saxifragoideae; Grossulariaceae in subfamily Ribesioideae (gooseberries); Iteaceae is also included in Saxifragaceae

39 **Crassulaceae Orpine family**

Penthoraceae is included by Rendle in Crassulaceae

.391 **Cephalotaceae Australian pitcher plant family**

.392 **Byblidaceae Roridulaceae**

Considerd 2 families by Engler & Gilg, alternativ names by Hutchinson; formerly included in Droseraceae (583.393)

.393 **Droseraceae Sundew family**

See also 583.121 Sarraceniaceae (Sarraceniales) Bentham & Hooker and Bessey clas under Rosales (583.3)

.394 **Hamamelidaceae Witch hazel family**

Hamamelideae is given by Engler & Gilg as a tribe of Hamamelidaceae, subfamily Hamamelidoideae. Clas here Hamamelidales, given by Hutchinson as an order including Hamamelidaceae etc

2 **Myrothamnaceae**

3 **Eucommiaceae**

.395 **Brunelliaceae**

Clast by Hutchinson under Cunoniales (see 583.397)

.396 **Bruniaceae**

Clast by Hutchinson under Hamamelidales (see 583.394)

.397 **Cunoniaceae**

Clas here Cunoniales, given by Hutchinson as an order including Cunoniaceae etc

583.4 Myrtales Myrtiflorae

See also 583.933 Thymelacineae, included by Engler & Gilg under Myrtiflorae

.41 Myrtineae

.411 **Rhizophoraceae Rhizophoreae Mangrove family**

.412 **Punicaceae Pomegranate family**

.413 **Hydrocaryaceae Trapaceae Water chestnut family**

Included by some authorities in Onagraceae (see 583.445)

.414 **Combretaceae Myrobalan family**

.415 **Nyssaceae Tupelo or sour gum family**

Clast by Hutchinson under Umbelliflorae (583.48)

.416 **Alangiaceae**

Clast by Hutchinson under Umbelliflorae (583.48)

.417 **Halorrhagaceae Haloragaceae Haloragidaceae Halorrhagidaceae Halorageae Water-milfoil family**

Changed from 583.398, as most authorities consulted clas under Myrtales (583.4) Clast by Hutchinson under Lythrales (see 583.441)

.42 **Myrtaceae Myrtle family**

.423 **Lecythidaceae**

Brazil nut, monkey pot tree, sapucaia nut etc

.43 **Melastomaceae Melastomataceae Medow beauty family**

.441 **Lythraceae Lythrarieae Loosestrife family**

Clas here Lythrales, given by Hutchinson as an order including Lythraceae etc

.442 **Heteropyxidaceae**

Clast by Hutchinson under Rhamnales (583.279)

.443 **Sonneratiaceae**

.444 **Crypteroniaceae**

.445 **Onagraceae Oenotheraceae Onagrarieae Evening primrose family**

Oenotheras is given by Engler & Gilg as a genus of Onagraceae

.446 Hippuridineae Hippuridaceae Mare's tail family

Given by Engler & Gilg as a suborder of Myrtiflorae (583.4) with only 1 family. Formerly included in Halorrhagaceae (see 583.417), where it is left by Britton and Hutchinson as the genus Hippuris

.447 Cynomoriineae Cynomoriaceae

Given by Engler & Gilg as a suborder of Myrtiflorae, with only 1 family; clast by Hutchinson and Rendle under Santalales (583.94)

583.45 Passiflorales

Sec also 583.12 Parietales

.451 **Samydaceae**

Clast by Hutchinson under Bixales (see 583.138)

.453 **Loasaceae Loaseae Loasa or star flower family**

Clas here Loasincae, given by Engler & Gilg as a suborder of Parietales (583.12) with only 1 family, Loasaceae; clas here also Loasales, given by Bessey and Hutchinson as an order including Loasaceae etc

.454 **Ancistrocladaceae**

Clast by Bessey under Loasales (see 583.453) Clas here Ancistrocladineae, given by Engler & Gilg as a suborder of Parietales (583.12) with only 1 family, Ancistrocladaceae

.455 **Turneraceae**

.456 **Passifloraceae Passifloreae Passion flower family**

.457 **Malesherbiaceae**

.458 **Achariaceae**

.46 Cucurbitales Peponiferae

According to Engler & Gilg this order, with only 1 family, Cucurbitaceae (583.461), belongs with Metachlamydeae (583.5); Britton classes the family in same large division under Campanulales (583.57); Bessey, Hutchinson and Rendle leav it with Archichlamydeae (Polypetalae) as did Bentham & Hooker. Cucurbitales or Peponiferae includes, according to Hutchinson and Rendle, 583.461, 583.468–.469; Hutchinson also includes 583.462

.461 **Cucurbitaceae Gourd family**

.462 **Caricaceae Papayaceae Papaya family**

Clast by Hutchinson under Cucurbitales (583.46) Clas here Papayineae, given by Engler & Gilg as a suborder of Parietales (583.12) with only 1 family, Caricaceae

.468 **Begoniaceae Begonia family**

Clast by Hutchinson and Rendle under Cucurbitales (583.46) Clas here Begoniineae, given by Engler & Gilg as a suborder of Parietales (583.12) with only 1 family, Begoniaceae

.469 **Datiscaceae Datisceae American false hemp, Asiatic bastard hemp**

Clast by Hutchinson and Rendle under Cucurbitales (583.46) Clas here Datiscineae, given by Engler & Gilg as a suborder of Parietales (583.12) with only 1 family, Datiscaceae

.47 Ficoidales

.471 **Cactaceae Cacteae Cactus family**

Clas here Opuntiales, given by Britton, Engler & Gilg and Rendle; and Cactales, given by Bessey and Hutchinson, as an order with only 1 family, Cactaceae

.475 **Aizoaceae Ficoidaceae Sea purslane or carpet weed family**

Ficoideae is given by Engler & Gilg and Rendle as a subfamily of Aizoaceae. See also 583.91 Centrospermae

.476 **Molluginaceae**

Included by Engler & Gilg as a subfamily, Molluginoideae, of Aizoaceae (583.475)

.48 Umbelliflorae Umbellales

.481 **Umbelliferae Apiaceae Ammiaceae Parsley or carrot family**

.491 **Araliaceae Ginseng family**

.497 **Cornaceae Dogwood family**

583.5 **Metachlamydeae Gamopetalae Monopetalae Sympetalae**

Axiflorae-gamopetalae-polycarpellatae, Axiflorae-gamopetalae-dicarpellatae, Calyciflorae-gamopetalae

583.51–.591 Sympetalae-tetracyclicae-inferae Calyciflorae-gamopetalae Inferae

.51 Rubiales

See also the following, included by Engler & Gilg in Rubiales: 583.531 Valerianaceae, 583.541 Dipsacaceae

.511 **Caprifoliaceae Honeysuckle family**

.513 **Adoxaceae Moschatel family**

.52 **Rubiaceae Madder family**

.53 Asterales

.531 **Valerianaceae Valerian family**

Clas here Valerianales, given by Britton as an order including Valerianaceae and Dipsacaceae (583.541); clas here also Valerianeae, given by Engler & Gilg as a tribe of Valerianaceae. See also 583.51 Rubiales

.541 **Dipsacaceae Dipsaceae Teasel family**

See also 583.51 Rubiales

.546 **Calyceraceae Calysereae**

See also 583.57 Campanales

.55 **Compositae Composits**

Compositae is sinonimous with Bessey's order Asterales. In uzing family names below, rather than tribe names, Bessey is followd. See also 583.57 Campanales

.552 Liguliflorae Cichoriaceae Lactucaceae Cichorieae Chicory or lettuce family

.553 Tubuliflorae Labiatiflorae

2 Mutisiaceae Mutisieae Mutisia family

3 Carduaceae Cynareae Thistle family

4 Arctotidaceae Arctotideae Gazania family

5 Calendulaceae Calenduleae Marigold family (calendula)

6 Senecionidaceae Senecioneae Groundsel family

7 Anthemidaceae Anthemideae Camomile family

8 Heleniaceae Helenieae False sunflower family (sneezeweed)

.5542 Inulaceae Inuleae Everlasting family

3 Asteraceae Astereae Aster family

4 Eupatoriaceae Eupatorieae Blazing star family (hemp-agrimony)

5 Vernoniaceae Vernonieae Ironweed family (elefant's foot)

6 Ambrosiaceae Ambrosiinae Ragweed family

Included by Engler & Gilg and Rendle in Heliantheae (583.5547)

7 Helianthaceae Heliantheae Sunflower family

583.57 Campanales Campanulales Campanulatae

See also the following, included by Engler & Gilg in Campanulatae: 583.546 Calyceraceae, 583.55 Compositae

.571 **Stylidiaceae Candolleaceae Stylidieae Stylewort family**

.58 **Goodeniaceae Goodenovieae**

.581 **Brunoniaceae**

.59 **Campanulaceae Bluebell, bellwort or bellflower family**

.591 **Lobeliaceae**

Included by Engler & Gilg as a subfamily, Lobelioideae, of Campanulaceae (583.59)

583.6–.6864 **Sympetalae-pentacyclicae Heteromerae Axiflorae-gamopetalae-polycarpellatae**

See also 583.899 Plantaginaceae, included in this group by Bessey

.6 Ericales

.61 Ericineae

Includes following 5 families, 583.611–.631

.611 **Vacciniaceae Whortleberry or huckleberry family**

Included by Engler & Gilg and Rendle as a subfamily, Vaccinioideae, of Ericaceae (583.62)

.62 **Ericaceae Heath family**

.622 **Clethraceae White alder family**

.63 **Monotropaceae Indian-pipe family**

Included by Engler & Gilg and Rendle as a subfamily, Monotropoideae, of Pyrolaceae (583.631) with Monotropeae as a tribe

.631 **Pyrolaceae Pirolaceae Wintergreen family**

.64 **Epacridaceae Epacris family**

Clas here Epacridineae, given by Engler & Gilg as a suborder of Ericales (583.6) with only 1 family, Epacridaceae, with Epacrideae as a tribe

.65 **Diapensiaceae Flowering moss, pyxie or diapensia family**

Clas here Diapensiales, given by Engler & Gilg as an order with only 1 family, Diapensiaceae

.66 **Lennoaceae Lennoa family**

Clas here Lennoineae, given by Engler & Gilg as a suborder of Tubiflorae (583.76) with only 1 family, Lennoaceae

.67 Primulales

.671 **Plumbaginaceae Leadwort or plumbago family**

Clas here Plumbaginales, given by Engler & Gilg and Rendle as an order with only 1 family, Plumbaginaceae, with Plumbagineae as a tribe

.672 **Primulaceae Primrose family**

.677 **Myrsinaceae Marlberry family**

Myrsineae is given by Engler & Gilg as a tribe of Myrsinaceae, subfamily Myrsinoideae. Clas here Myrsinales, given by Hutchinson as an order with only 1 family, Myrsinaceae

.678 **Theophrastaceae**

583.68 Ebenales
681 Sapotineae
1 **Sapotaceae Sapodilla family**
2 **Hoplestigmataceae**
.685 Diospyrineae
1 **Ebenaceae Ebony family**
.6861 **Styracaceae Styraceae Storax family**
Clas here Styracales, given by Hutchinson as an order including Styracaceae and the next 3 families
2 **Diclidantheraceae**
3 **Symplocaceae Sweetleaf family**
4 **Lissocarpaceae**

583.7–.8 **Sympetalae-tetracyclicae-superae**
Axiflorae-gamopetalae-dicarpellatae
Bicarpellatae

.7 Gentianales Contortae
.71 **Oleaceae Oliv family**
Clas here Oleineae, given by Engler & Gilg as a suborder with only 1 family, Oleaceae; clas here also Olealcs, given by Rendle as an order including Oleaccae and Salvadoraceae (583.716)
.716 **Salvadoraceae Salvadora family**
See also 583.271 Celastrineae, 583.28 Sapindales
.72 Gentianineae
.721 **Apocynaceae Dogbane family**
Clas here Apocynales, given by Hutchinson as an order including Apocynaceae and Asclepiadaceae (583.73)
.73 **Asclepiadaceae Milkweed family**
Asclepiadeae is given by Engler & Gilg and Rendle as a tribe of Asclepiadaceae, subfamily Cynanchoideae
.74 **Loganiaceae Logania family**
Clas here Loganiales, given by Hutchinson as an order including Loganiaceae and Oleaceae (583.71)
.741 **Desfontaineaceae**
Included by Hutchinson in Loganiaceae (583.74)
.75 **Gentianaceae Gentian family**
Gentianeae is given by Engler & Gilg as a tribe of Gentianaceae, subfamily Gentianoideae
.751 **Menyanthaceae Buckbean family**
Included by Engler & Gilg as a subfamily, Menyanthoideae, of Gentianaceae (583.75)

583.76 Tubiflorae

Includes 583.761–.891; see also 583.66 Lennoineae

.761 Polemoniales

Britton's Polemoniales corresponds to Engler & Gilg's and Rendle's Tubiflorae (583.76); Bessey's Polemoniales corresponds to Bentham & Hooker's (583.7611–.79); Hutchinson's includes only Polemoniaceae (583.7611) and Hydrophyllaceae (583.764)

1 **Polemoniaceae Polemonium or phlox family**

.762 **Fouquieraceae Fouquieriaceae Candlewood family**

.764 **Hydrophyllaceae Waterleaf family**

.77 **Boraginaceae Borraginaceae Boragineae Borage or forget-me-not family**

Clas here Borraginineae, given by Engler & Gilg as a suborder of Tubiflorae (583.76) including Borraginaceae and Hydrophyllaceae (583.764) Clas here also Boraginales, given by Hutchinson as an order with only 1 family, Boraginaceae

.78 **Convolvulaceae Convolvulus or morning-glory family**

Clas here Convolvulineae, given by Engler & Gilg as a suborder of Tubiflorae (583.76) including Convolvulaceae, Polemoniaceae (583.7611) and Fouquieraceae (583.762) Clas here also Convolvulales, given by Rendle as an order with only 1 family, Convolvulaceae

.781 **Cuscutaceae Dodder family**

Included by Engler & Gilg as a subfamily, Cuscutoideae, of Convolvulaceae (583.78)

.79 **Solanaceae Nightshade or potato family**

Clas here Solanales, given by Hutchinson as an order including Solanaceae and Convolvulaceae (583.78) See also 583.8 Solanineae

.792 **Nolanaceae**

Included by Hutchinson in Convolvulaceae (583.78) See also 583.8 Solanineae

583.8 Personales Scrophulariales Solanineae

Besides families given on 583.81–.852 Engler & Gilg includes under Solanineae Solanaceae (583.79) and Nolanaceae (583.792)

.81 **Scrophulariaceae Scrophularineae Figwort or snapdragon family**

See also 583.876 Selagineae, included by Engler & Gilg under Scrophulariaceae as a tribe of subfamily Antirrhinoideae

.821 **Orobanchaceae Broomrape family**

.823 **Globulariaceae Globe daisy family**

.825 **Lentibulariaceae Lentibularieae Bladderwort family**

.829 **Columelliaceae**

.83 **Gesneriaceae Gesneraceae**

.84 **Bignoniaceae Bignonia, catalpa or trumpet-creeper family**

.85 **Pedaliaceae Pedalineae Pedalium family**

.852 **Martyniaceae Unicorn plant family**

.86 **Acanthaceae Acanthus family**

Clas here Acanthineae, given by Engler & Gilg as a suborder of Tubiflorae (583.76)

.87 Lamiales

.871 **Myoporaceae Bastard sandalwood family**

Myoporineae is given by Engler & Gilg as a suborder of Tubiflorae (583.76) with only 1 family, Myoporaceae

.873 **Phrymaceae Lopseed family**

Clas here Phrymineae, given by Engler & Gilg as a suborder of Tubiflorae (583.76) with only 1 family, Phrymaceae

.876 **Selaginaceae Dwarf heath shrub family**

Included by Engler & Gilg in Scrophulariaceae (583.81) as a tribe, Selagineae

.88 Verbenineae

Given by Engler & Gilg as a suborder of Tubiflorae (583.76) including following 2 families

.881 **Verbenaceae Vervain family**

.891 **Lamiaceae Labiatae Mint family**

.899 Plantaginales Plantaginaceae Plantagineae Plaintain family

Plantaginaceae is clast by Bessey under Primulales (583.67); other authorities consulted clas it as only family of order Plantaginales

583.9 Apetalae Monochlamydeae

See also 583.1 Archichlamydeae

.91 Centrospermae Chenopodiales Curvembryeae

See also the following, included by Engler & Gilg under Centrospermae: 583.15 Caryophyllineae, 583.156 Portulacineae, 583.475 Aizoaceae

.912 **Illecebraceae Illecebrum or knotwort family**

See also 583.154 Alsinoideae

.913 Chenopodiales

Under this order Hutchinson includes families given below in 583.9131-.916 except 583.9153 Nyctaginaceae; he also includes here Basellaceae (583.1562) All families of this group ar clast by Bessey under Caryophyllales (see 583.15)

1 **Amarantaceae Amaranthaceae Amaranth family**

.914 **Chenopodiaceae Goosefoot family**

Clas here Chenopodiineae, given by Engler & Gilg as a suborder of Centrospermae (583.91) including Chenopodiaceae and Amarantaceae (583.9131)

.915 **Phytolaccaceae Pokeweed family**

Clas here Phytolaccineae, given by Engler & Gilg as a suborder of Centrospermae (583.91) including, besides Phytolaccaceae, the 2 families, Cynocrambaceae (583.9152) and Nyctaginaceae (583.9153), also Aizoaceae (583.475)

2 **Cynocrambaceae Thelygonaceae Dog cabbage family**

3 **Nyctaginaceae Nyctagineae Four-o'clock family**

Changed from 583.911, to bring into closer relation with Phytolaccaceae (583.915) and Cynocrambaceae (583.9152)

.916 **Batidaceae Batideae Batis family**

Clas here Batidales, given by Engler & Gilg as an order with only 1 family, Batidaceae

.917 Polygonales Polygonaceae Buckwheat family

Given by Britton, Engler & Gilg and Rendle as an order with only 1 family; Hutchinson includes Illecebraceae (583.912)

.92 Multiovulatae aquaticae Podostemonales

Clas here Podostemonineae, given by Engler & Gilg as a suborder of Rosales (583.3)

.921 **Podostemonaceae Podostemaceae Riverweed family**

1 **Hydrostachyaceae Hydrostachydaceae**

.922 Multiovulatae terrestres Aristolochiales

1 **Nepenthaceae Indian pitcherplant family**

Clast by Hutchinson under Aristolochiales (583.922); by Bessey, Britton, Engler & Gilg and Rendle under Sarraceniales (see 583.121)

2 **Hydnoraceae**

.923 **Rafflesiaceae Cytinaceae Patmawort family**

.924 **Aristolochiaceae Birthwort family**

583.925 Micrembryeae Piperales
1 **Piperaceae Pepper family**
2 **Saururaceae Lizard's-tail family**
.926 **Chloranthaceae**
.93 Daphnales
.931 **Lauraceae Laurineae Laurel family**
Clas here Laurales, given by Hutchinson as an order including Lauraceae etc. See also 583.11 Ranales, 583.114 Magnoliineae
2 **Hernandiaceae Jack-in-a-box**
Clast by Hutchinson under Laurales (see 583.931) See also 583.11 Ranales, 583.114 Magnoliineae
.932 Proteales Proteaceae Honey flower
.933 Thymelaeales
Clas here Thymelaeineae, given by Engler & Gilg as a suborder of Myrtiflorae (583.4) All families of this group ar clast by Bessey under Celastrales (583.27)
1 **Thymelaeaceae Mezereum or mezereon family**
.934 **Penaeaceae**
.935 **Elaeagnaceae Oleaster family**
.936 **Geissolomataceae Geissolomaceae**
.937 **Oliniaceae Hard pear**
.94 Santalales Achlamydosporeae
All families of this group ar clast by Bessey under Celastrales (583.27) See also 583.26 Olacaceae, included under Santalales by Engler & Gilg and Rendle
.941 Loranthineae Loranthaceae Mistletoe family
.942 Santalineae
See also 583.26 Olacaceae, included under Santalineae by Engler & Gilg
.943 **Santalaceae Sandalwood family**
.944 **Myzodendraceae Myzodendron family**
.945 **Opiliaceae**
.946 **Grubbiaceae**
1 **Octoknemataceae**
.947 Balanophorineae Balanophoraceae Balanophoreae

583.95 Unisexuales

.951 Tricoccae Euphorbiales Euphorbiaceae Spurge family

Tricoccae is given by Engler & Gilg as a suborder of Geraniales (583.21) with only 1 family, Euphorbiaceae; Hutchinson givs Euphorbiales as an order with only 1 family; Rendle givs Tricoccae as an order including Euphorbiaceae etc

.961 Balanopsidales Balanopsidaceae Balanopseae

.962 Urticales Urticiflorae

1 **Urticaceae Nettle family**

2 **Moraceae Mulberry family**

3 **Cannabinaceae**

Included by Engler & Gilg in Moraceae (583.9622) as a subfamily, Cannaboideae

4 **Scyphostegiaceae**

5 **Ulmaceae Elm family**

6 **Barbeyaceae**

.971 **Platanaceae Plane tree family**

See also 583.31 Rosineae

.972 Leitneriales Leitneriaceae Leitnerieae Corkwood family

.973 Juglandales

1 **Juglandaceae Juglandeae Walnut family**

Britton and Engler & Gilg giv this as only family in Juglandales (583.973); Hutchinson includes also Julianiaceae (583.9732)

2 **Julianiaceae Julianaceae**

Clas here Julianiales, given by Engler & Gilg and Rendle as an order with only 1 family, Julianiaceae

.974 Myricales Myricaceae Sweet-gale or bayberry family

.975 Casuarinales Casuarinaceae Casuarineae Beefwood

.976 Fagales Cupuliferae

.977 **Fagaceae Beech or oak family**

.978 **Betulaceae Birch family**

.979 **Corylaceae**

Included by Engler & Gilg in Betulaceae (583.978) as a tribe, Coryleae

.98 Other dicotyledones Anomali

.981 Salicales Salicaceae Salicineae Willow family

.982 Garryales Garryaceae Fever bush

.983 Lacistemineae Lacistemaceae

Given by Engler & Gilg as a suborder of Parietales (583.12) with only 1 family, Lacistemaceae; family is clast by Bessey under Ranales (583.11), by Hutchinson under Piperales (583.925)

.984 Empetrineae Empetraceae Crowberry family

Clast by Bessey, Britton and Engler & Gilg under Sapindales (583.28), by Hutchinson and Rendle under Celastrales (583.27)

.985 Pandales Pandaceae

584 Monocotyledones Monocotyledonae Monocotyledoneae

584.1–.2 Monocotyledoneae–epigynae

.1 **Microspermae Microspermeae**

.11 Hydrocharideae Hydrales Hydrocharitaceae Vallisneriaceae Frog's bit or tape gras family

See also 584.72 Helobiae, 584.73 Butomineae

.12 Orchidales

.13 **Burmanniaceae Burmannia family**

Clas here Burmanniineae, given by Engler & Gilg as a suborder with only 1 family, Burmanniaceae

.15 **Orchidaceae Orchideae Orchis or orchid family**

Clas here Gynandrae, given by Engler & Gilg as a suborder with only 1 family, Orchidaceae

.2 **Epigynae Epigyneae Iridales**

.21 Scitamineae Arillatae Scitaminales Musales

.211 **Marantaceae Arrowroot family**

.212 **Cannaceae Canna family**

.213 **Zingiberaceae Ginger family**

.214 **Musaceae Banana family**

.22 Bromeliineae Bromeliaceae Pineapple family

Bromeliineae is given by Engler & Gilg as a suborder of Farinosae (584.3) including Bromeliaceae, Rapateaceae (584.39) and Thurniaceae (584.391)

.23 Liliiflorae Liliales

Clas here Liliineae, given by Engler & Gilg as a suborder including the families in 584.231–.323 (except 584.24 Iridaceae) See also 584.45 Juncaceae. For scope of Bessey's Lilialcs see note under 584.3

.231 **Haemodoraceae Bloodwort family**

.24 **Iridaceae Irideae Iris family**

Clas here Iridineae, given by Engler & Gilg as a suborder with only 1 family, Iridaceae

.25 **Amaryllidaceae Amaryllis family**

Amaryllideae is given by Engler & Gilg as a tribe of Amaryllidaceae, subfamily Amaryllidoideae

.26 **Taccaceae**

.27 **Dioscoreaceae Yam family**

.28 **Velloziaceae Tree lily**

Rendle includes this as a tribe, Velloziceae, of Amaryllidaceae (584.25)

584.3–.9 Monocotyledoneae-hypogynae

584.3 Coronarieae Farinosae Xyridales

See also the following, included by Engler & Gilg under Farinosae: 584.22 Bromeliineae, 584.41 Flagellariineae, 584.81 Enantioblastae Bessey's Liliales (see 584.23) corresponds more nearly to this group than to Liliiflorae (Liliales) (584.23) of Britton, Engler & Gilg and Rendle

.31 Stemonaceae Roxburghiaceae

See also 584.23 Liliiflorae

.32 Liliaceae Lily family

See also 584.23 Liliiflorae

.321 Melanthaceae Bunch flower family

Included by Engler & Gilg as a subfamily, Melanthioideae, of Liliaceae (584.32)

.322 Convallariaceae Lily-of-the-valley family

Included by Engler & Gilg as a tribe, Convallarieae, of Liliaceae (584.32)

.323 Smilaceae Smilax family

Included by Engler & Gilg as a subfamily, Smilacoideae, of Liliaceae (584.32)

.33 Pontederiincae

.331 Cyanastraceae

.34 Pontederiaceae Pickerel weed family

.35 Philydrineae Philydraceae

Given by Engler & Gilg as a suborder with only 1 family, Philydraceae

.36 Xyridaceae Xyrideae Yellow-eyed gras family

See also 584.81 Enantioblastae

.37 Mayacaceae Mayaceae Mayaca family

See also 584.81 Enantioblastae

.38 Commelinaceae Spiderwort family

Clas here Commelinineae, given by Engler & Gilg as a suborder with only 1 family, Commelinaceae

.39 Rapateaceae

See also 584.22 Bromeliineae

.391 Thurniaceae

See also 584.22 Bromeliineae

.4 Calycinae Calycineae

.41 Flagellariineae Flagellariaceae Flagellarieae

See also 584.3 Farinosae

.45 Juncineae Juncaceae Rush family

See also 584.23 Liliiflorae

.5 Principes Palmales Phoenicales Palmae Palmaceae Phoenicaceae Palm family

Bessey, Britton and Engler & Gilg giv as an order with only 1 family; Rendle classes under Spadiciflorae (584.64)

.6 Nudiflorae Nudifloreae

.61 Pandanales

All families of this group ar clast by Bessey under Alismatales (584.7)

.611 Pandanaceae Pandaneae Hala family

.612 Sparganiaceae Bur-reed family

.613 Typhaceae Cat-tail family

Changed from 584.63, as Britton, Engler & Gilg and Rendle clas this family under Pandanales (584.61)

.62 Synanthae Cyclanthales Cyclanthaceae

.64 Arales Spathiflorae Spadiciflorae

.65 Araceae Arum family

Aroideae, formerly on 584.64, is given by Engler & Gilg as a subfamily of Araceae

.68 Lemnaceae Duckweed family

584.7 **Apocarpeae Alismatales**

.71 Triuridales Triuridaceae Triurideae

.72 Helobiae Helobieae Naiadales Najadales Fluviales

See also 584.11 Hydrocharitaceae, included by Engler & Gilg and Rendle under Helobiae

.721 Alismatineae Alismaceae Alismataceae Water plantain family

.73 Butomineae Butomaceae Water poppy

Butomineae is given by Engler & Gilg as a suborder including Butomaceae and Hydrocharitaceae (584.11) Included by Rendle as a tribe, Butomeae, of Alismaceae (584.721)

.74 Potamogetonineae

.741 **Naiadaceae Najadaceae Naias or najas family**

.742 **Potamogetonaceae Pondweed or riverweed family**

Included by Britton as a genus, Potamogeton, in Naiadaceae (584.741)

.743 **Aponogetonaceae Lattice plant or lattice-leaf**

.744 **Scheuchzeriaceae Juncagineae Arrow gras family**

.8 **Glumaceae Graminales**

.81 Enantioblastae

Given by Engler & Gilg as a suborder of Farinosae (584.3) including, besides the 3 families following, Xyridaceae (584.36) and Mayacaceae (584.37)

.811 **Eriocaulaceae Eriocaulonaceae Eriocauleae Pipewort family**

.82 **Centrolepidaceae Centrolepidiaceae Centrolepideae**

.83 **Restiaceae Restionaceae**

.84 Glumiflorae

.841 **Cyperaceae Sedge family**

.9 **Gramineae Poaceae Gras family**

Because of size and importance of this family the tribes ar here given, clasification being founded on Häckel, as given in Engler & Prantl. See also 633.2 Grasses

.92 Spikelets 1-flowerd or rarely 2-flowerd

.922 Maydeae Maiz grasses

.923 Zoysieae

.924 Tristegineae

.925 Andropogoneae Blue-stem grasses

.926 Paniceae Panic "

.927 Oryzeae Rice "

.93 Spikelets 1- to indefinit-flowerd

.932 Phalarideae Canary grasses

.933 Agrostideae Redtop "

.934 Aveneae Oat "

.935 Chlorideae Gramma "

.936 Festuceae Fescue "

.937 Hordeae Hordeeae Triticeae Wheat grasses

.938 Bambuseae Bamboos

.99 **Other monocotyledones Anomali**

585 Gymnospermae

.1 Gnetales Joint fir order

.11 Gnetaceae Gnetum family (gnetum climbers)
Gnetoideae

.12 Tumboaceae Welwitschiaceae Tumboa or welwitschia family (welwitschia mirabilis)
Tumbooideae, Tumboideae, Welwitschioideae

.13 Ephedraceae Ephedra family
Ephedroideae

.2 Coniferae Strobilophyta Pinales

.21 Coniferales Conifer or pine order
Rendle and Swingle uze this term insted of Coniferae (585.2)

.211 Taxodiaceae Taxodineae Taxodium family (sequoia, bald cypress)
Sciadopityoideae, Taxodioideae

.212 Araucariaceae Araucarineae Old pine family

.213 Pinaceae Abietaceae Abietineae Pine (modern pine) family (pine, hemlock, spruce, larch, tamarak, fir)
Britton and Rendle uze Pinaceae as equivalent to Bessey's Coniferales (585.21) Pinoideae, uzed by Bessey as a clas name, including all his Strobilophyta (585.2), is given by Engler & Prantl as a subfamily of Pinaceae, other subfamily being Abietoideae

.214 Cupressaceae Cupressineae Cypress family
Cupressoideae

.215 Thuyopsidaceae Thuya or thuja family (white cedar, arbor vitae)
Included by Engler & Prantl as a subfamily, Thujoideae, of Cupressaceae (585.214)

.216 Juniperaceae Juniper family (juniper, red cedar)
Included by Engler & Prantl as a subfamily, Juniperoideae, of Cupressaceae (585.214)

.22 Taxales Taxad order

.221 Taxaceae Taxeae Yew family
Britton and Rendle uze Taxaceae as equivalent to Bessey's Taxales (585.22)

.222 Cephalotaxaceae
Included by Bessey and Rendle in Taxaceae (Taxeae) (585.221)

.223 Podocarpaceae Podocarpeae
Pherosphaeroideae, Podocarpoideae

.224 Phyllocladaceae
Included by Engler & Prantl as a subfamily, Phyllocladoideae, of Podocarpaceae (585.223); included by Rendle in Taxeae (585.221)

.5 Cordaitales
Clas here Cordaitineae, given by Bessey as including Cordaitales, Gnetales (585.1) and Ginkgoales (585.7)

.51 Cordaitaceae Cordaiteae

.52 Pityaceae

585.7 **Ginkgoales Ginkgoaceae Salisburyaceae Maidenhair tree family (ginkgo)**

See also 634.572 Ginkgo

.9 **Cycadophyta**

Bessey includes, besides the orders given below, Cordaitineae (see 585.5)

.91 Cycadales Cycadineae

.911 **Cycadaceae Cycadeae Cycad family (cycas)**

.912 **Zamiaceae Zamieae Zamia family**

Included by Engler & Prantl as a subfamily, Zamioideae, of Cycadaceae (585.911)

.92 Bennettitales Bennettitineae

.921 **Caytoniaceae**

.922 **Nilssoniaceae**

.923 **Bennettitaceae Bennettiteae**

.95 Cycadofilicales Cycadofilices Pteridospermae Pteridospermeae Pteridospermales Pteridospermaphyta Seed ferns

.951 **Araucarioxyleae**

.952 **Protopityaceae Protopityeae**

.953 **Stenomyelaceae**

.954 **Calamopityaceae**

.955 **Megaloxylaceae**

.957 **Rhetinangiaceae**

.961 **Cycadoxylaceae Cycadoxyleae**

.962 **Cladoxylaceae Cladoxyleae**

.963 **Steloxylaceae**

.966 **Medullosaceae Medulloseae Medullosae**

.967 **Lyginodendraceae Lyginodendreae Lyginopterideae**

The following families ar clast by some authorities with Filicales (587.3) They hav caracteristics common to both Filicales and Cycadofilicales (585.95)

.971 **Megalopterides**

.972 **Glossopterides**

.973 **Taeniopterides**

.974 **Neuropterides**

.975 **Odontopterides**

.976 **Callipterides**

.977 **Alethopterides**

.978 **Pecopterides Pecopterideae**

.979 **Sphenopterides**

.981 **Archaeopterides**

586 Cryptogamia Seedless plants

587–588 Archegoniatae Embryophyta asiphonogama Embryophyta zoidiogama

587 Pteridophyta Fern plants Vascular cryptogams

.1 Isoetales Isoetaceae Isoeteae Quillworts

.2 Articulatae Calamophyta Calamites

.21 Equisetales Equisetineae

.211 Euequisetales Equisetaceae Equisetae Horse-tails or scouring rushes

.212 Calamariales Calamarineae Calamarieae Old calamites

1 Calamariaceae

2 Protocalamariaceae Archaeocalamites

.22 Pseudoborniales Pseudoborniaceae

.23 Cheirostrobales Cheirostrobaceae Cheirostrobeae

.24 Sphenophyllales Sphenophyllineae Sphenophyllaceae Wedge-leavd calamites

.3 Filicales Filicinae Ferns

Bessey's phylum Pteridophyta (see 587) is sinonimous with Filicales except that he includes also Isoetales (587.1)

.31 Leptosporangiatae Modern ferns

.311 Hydropteridineae Hydropterideae Marsiliales Salviniales Water ferns

1 Salviniaceae Floating ferns

2 Marsiliaceae Pepperworts

.312 Eufilicineae Filicaceae Land ferns

1 Osmundaceae

2 Schizaeaceae

3 Gleicheniaceae

4 Dipteridaceae

Included by Engler & Prantl as a subfamily, Dipteridinae, under Polypodiaceae (587.3127)

5 Matoniaceae

6 Parkeriaceae Ceratopteridaceae

7 Polypodiaceae Common ferns

According to Engler & Prantl the tribe Aspidieae, of this family, includes Dipteridinae (see 587.3124)

8 Cyatheaceae

9 Hymenophyllaceae Filmy ferns

Loxsomaceae is included by Engler & Prantl under Hymenophyllaceae

587.33 Eusporangiatae Old-fashiond ferns
Includes, according to Bessey, besides the 2 orders given below, Isoetales (587.1)
.331 Ophioglossales Ophioglossaceae Adder's tungs
.332 Marattiales Marattiaceae
.335 Botryopterideae Botryopteridaceae
.38 Fossil ferns of uncertain relationship
Psaronieae, Tietcaceae, Knorripterideae, Rhizomopterideae, Inversicatenales etc
.4 Psilotales Psilotaceae
Clast by Bessey and Clute under Lycopodiales (587.9)
.45 Psilophytales Psilophyton
A fossil fern ally probably related to Psilotales (587.4)
.9 Lycopodiales Lycopodinae Lepidophyta Club mosses
.91 Lycopodiales ligulatae Lepidodendrineae Higher club mosses
.911 Lepidophytineae Lepidodendrales Lepidodendreae
1 Pleuromeiaceae
2 Sigillariaceae
3 Bothrodendraceae
4 Ulodendraceae
Included by Engler & Prantl in Lepidodendraceae (587.9115)
5 Lepidodendraceae
.912 Selaginellineae Selaginellales Selaginellaceae Dwarf club mosses
.92 Lycopodiales cligulatae Lycopodineae Lower club mosses
.921 Cyclostigmaceae
.922 Lycopodiaceae Common club mosses, ground pines

588 Bryophyta Muscineae Mossworts

.1 **Sphagnales Sphagna Peat mosses Sphagnaceae Large bog mosses**

Included by Bessey and Engler & Gilg under Musci (588.2)

.2 **Musci Mosses**

.21 Bryales True mosses

.211 Polytrichinales

See also 588.214 Acrocarpi

1 **Polytrichales Polytrichaceae Haircaps**

2 **Dawsoniales Dawsoniaceae**

.212 Buxbaumiinales

See also 588.214 Acrocarpi

1 **Diphysciales Diphysciaceae Weberaceae**

2 **Buxbaumiales Buxbaumiaceae Humpback mosses**

.213 Eubryinales

.214 **Acrocarpi Top mosses**

1 Eubryales

11 Timmiineae (Leafy bristle mosses) Timmiaceae

12 Bartramiineae: Bartramiaceae, Catoscopiaceae (Catascopiaceae), Meeseaceae, Aulacomniaceae (Aulocomniaceae), Spiridentaceae

13 Hypnodendrineae Hypnodendraceae

14 Rhizogoniineae: Rhizogoniaceae, Calomniaceae, Mitteniaceae, Sorapillaceae, Eustichiaceae, Drepanophyllaceae

15 Bryineae (Wood mosses): Mniaceae, Leptostomaceae (Leptostomataceae), Bryaceae

2 Tetraphidiales (Tetraphidales) Georgiaceae

3 Schistostegiales Schistostegaceae

4 Funariales

41 Splachnineae: Splachnaceae (Petticoat mosses), Oedipodiaceae

42 Funariineae: Funariaceae (Bristle mosses), Ephemeraceae, Disceliaceae, Gigaspermaceae

5 Grimmiales Grimmiaceae

6 Pottiales

61 Pottiineae: Pottiaceae, Trichostomaceae (Trichostomoideae)

62 Encalyptineae Encalyptaceae

63 Syrrhopodontineae: Syrrhopodontaceae, Calymperaceae

7 Dicranales

71 Leucobryineae: Leucophanaceae (Leucophanoidcae), Leucobryaceae (Cushion mosses)

72 Pleurophascineae Pleurophascaceae

73 Dicranineae: Dienemonaceae, Dicranaceae (Turf mosses), Seligeraceae (Seligeriaceae), Ditrichaceae, Archidiaceae, Bryoxiphiaceae

8 Fissidentales Fissidentaceae

588.215 **Pleurocarpi Side mosses**

1 Hypnobryales

11 Hypnineae: Hylocomiaceae, Rhytidiaceae, Hypnaceae (Bog mosses), Sematophyllaceae, Plagiotheciaceae, Entodontaceae

12 Leskeineae: Brachytheciaceae, Amblystegiaceae, Thuidiaceae, Leskeaceae, Rhegmatodontaceae (Rhegmatodontoideae), Fabroniaceae, Theliaceae

2 Hookeriales

21 Hookeriineae: Hypopterygiaceae, Leucomiaceae, Symphyodontaceae, Hookeriaceae, Pilotrichaceae

22 Nematacineae Nemataceae (Nematocaceae)

3 Isobryales

31 Neckerineae: Echinodiaceae, Lembophyllaceae, Neckeraceae, Phyllogoniaceae

32 Leucodontineae: Meteoriaceae, Pterobryaceae, Myuriaceae, Trachypodaceae, Rutenbergiaceae, Prionodontaceae, Lepyrodontaceae, Ptychomniaceae, Cyrtopodaceae, Leucodontaceae, Cryphacaceae, Hedwigiaceae

33 Fontinalineae: Climaciaceae (Tree mosses), Fontinalaceae (Brook mosses)

34 Rhacopilineae Rhacopilaceae

35 Orthotrichineae: Helicophyllaceae, Orthotrichaceae, Ptychomitriaceae, Erpodiaceae

.22 Andreaeales Andreaeaceae Black mosses, small mosses

.3 Hepaticae Liverworts

.31 Jungermanniales Scale mosses

.311 **Jungermanniaceae acrogynae**

.312 " **anacrogynae Metzgeriaceae**

.32 Anthocerotales Anthocerotaceae Hornworts

.33 Marchantiales Great liverworts

.331 **Ricciaceae**

Clas here Ricciales, given by Bessey as an order with only 1 family, Ricciaceae

.332 **Marchantiaceae**

Targionioideae, Marchantioideae

.333 **Corsiniaceae**

Included by Engler & Gilg as a subfamily, Corsinioideae of Marchantiaceae (588.332)

.4 Charophyta Charales Stoneworts

Some authorities clas Charophyta under Algae (589.3)

.41 **Characeae**

.42 **Nitellaceae**

Included by Engler & Gilg and Hirmir as a tribe, Nitelleae, of Characeae (588.41)

589 Thallophyta

.1 **Lichenes Lichens**

.11 Basidiolichenes

.111 Hymenolichenes

.112 Gasterolichenes

.15 Ascolichenes

.16 Pyrenocarpeae Pyrenolichenes Angiocarpae Lichens with coverd fruit, closed lichens

Mycoporaceae, Mastodiaceae, Pyrenotrichaceae, Xanthopyreniaceae, Pyrenidiaceae, Strigulaceae, Astrotheliaceae, Paratheliaceae, Trypetheliaceae, Phyllopyreniaceae, Pyrenulaceae, Pyrenothamniaceae (Pyrenothamnaceae), Dermatocarpaceae, Verrucariaceae, Epiglocaceae, Moriolaceae

.17 Gymnocarpeae Gymnocarpae Lichens with naked fruit

.171 **Cyclocarpineae Discolichenes Disk lichens**

Physciaceae, Buelliaceae, Theloschistaceae, Caloplacaceae, Usneaceae, Parmeliaceae, Lecanoraceae, Pertusariaceae, Acarosporaceae, Gyrophoraceae, Cladoniaceae, Phyllopsoraceae, Lecideaceae, Peltigeraceae, Stictaceae, Pannariaceae, Heppiaceae, Collemaceae (Collemataceae), Lichinaceae, Pyrenopsidaceae, Ephebaceae, Coenogoniaceae, Gyalectaceae, Ectolechiaceae, Diploschistaceae, Thelotremaceae (Thelotremataceae), Chrysothricaceae (Chrysotrichaceae), Byssolomaceae (Pilocarpaceae), Lecanactidaceae

.172 **Graphidineae Graphidales Slit lichens**

Roccellaceae, Dirinaceae, Chiodectonaceae, Graphidaceae, Arthoniaceae

.173 **Coniocarpineae Caliciales Powdery lichens**

Sphaerophoraceae, Cypheliaceae, Caliciaceae

.18 Gelatinosae Gelatinus lichens

.19 Byssaceae Filamentus "

589.2 Eumycetes Carpomyceteae Fungi Mushrooms

Terms Carposporeae (formerly assignd to 589.21 and 589.4), Oosporeae (589.24 and 589.5), Zygosporeae (589.27 and 589.6) and Zoosporeae (589.67) hav been discarded by best authorities for clasification purposes, but erly literature on those subjects is kept on the old numbers. For physiologic discussions see 581.32 Sporcs

.21 Basidiomycetes Basidiales Smuts, rusts, mushrooms

Carposporeae, see note under 589.2. Basidiomycetes changed from 589.22

.22 Eubasidii Eubasidiomycetes Basidiosporeae

.221 Autobasidiomycetes Gasteromycetes Stinkhorn fungi, pufball, erth star

3 Exobasidiineae Exobasidiales

Exobasidiaceae, Hypochnaceae

4 Dacryomycetineae Dacryomycetaceae

5 Phallineae Phallales Phalloideae Stinkhorn fungi, buzzard's nose

Phallaceae, Clathraceae

6 Hymenogastrineae Hymenogastrales Hymenogastereae Hymenogastraceae Subterranean fungi, false tubers

7 Lycoperdineae Lycoperdales Lycoperdeae Pufballs, devil's snuf box, earth star

Lycoperdaceae, Tylostomataceae

8 Nidulariineae Nidulariales Nidularicae Bird's nest fungi

9 Sclerodermatineae Sclerodermatales Sclerodermeae Plectobasidiineae Hard pufballs

Tulostomataceae, Sphaerobolaceae, Calostomataceae, Sclerodermataceae, Podaxaceae

.222 Hymenomycetineae Hymenomycetes Agaricales Mushrooms, toadstool fungi, fairy clubs

Tulasnellaceae, Corticiaceae, Thelephoraceae (lethery fungi), Clavariaceae (Clavarieae, coral fungi), Hydnaceae (Hydneae, hedgehog or prickly fungi), Polyporaceae (Polyporeae, tubebearing fungi), Agaricaceae(Agaricineae, gillbearing fungi, toadstools)

.223 Protobasidiomycetes

Removed from 589.224, which this group has been sharing with Hemibasidiomycetes

1 Auriculariineae Auricularialcs Auricularieae Ear fungi, Jew's ear

Pilacraceae (Pilacreaceae), Auriculariaceae. Changed from 589.2251

2 Tremellineae Tremellales Tremelleae Trembling or jelly fungi

Hyaloriaceae, Tremellaceae (Tremellinaceae), Sirobasidiaceae. Changed from 589.2252

.224 Hemibasidii Hemibasidiomycetes Teliosporeae Brand fungi

.225 Uredinales Uredineae Rusts

Melampsoraceae (Uredinaceae), Coleosporiaceae, Cronartiaceae, Schizosporaceae, Endophyllaceae, Pucciniaceae (Aecidiaceae)

.227 Ustilaginales Smuts on corn, wheat, oats

1 Ustilaginineae Ustilagineae Ustilaginaceae Smuts

2 Tilletiineae Tilletiaceae Bunts

.229 Protomycetes Protomycetineae Protomycetaceae

589.23 Ascomycetes Ascosporeae Parasitic or ascus fungi

.231 **Tuberineae Tuberales Truffles or tubers**

Balsamiaceae, Eutuberaceae (Tuberaceae) See also 589.233 Euascales

.232 Laboulbeniales Laboulbeniineae Beetle fungi

Ceratomycetaceae, Laboulbeniaceae, Peyritschiellaceae

.233 Euascales Discomycetes Carpoascomycetes

1 **Helvellineae Helvellales**

Helvellaceae, Geoglossaceae, Rhizinaceae

2 **Pezizineae Pezizales Pezizeae Cup fungi**

Cyttariaceae, Cordieritidaceae, Cenangiaceae, Patellariaceae, Celidiaceae, Mollisiaceae, Helotiaceae, Ascobolaceae, Pezizaceae, Pyronemataceae

3 **Hysteriineae Hysteriales Slit fungi**

Acrospermaceae, Hysteriaceae, Ostropaceae, Dichaenaceae, Hypodermataceae

4 **Protocaliciineae Protocaliciaceae Powdery fungi**

5 **Phacidiineae Phacidiales Little cup fungi**

Phacidiaceae, Tryblidiaceae, Stictidaceae

.235 **Pyrenomycetineae Pyrenomycetales Pyrenomycetes Closed fungi: ergot, black knot (cherry, plum), black rot (grape)**

1 Sphaeriaceales: Xylariaceae, Melogrammataceae, Diatrypaceae, Melanconidiaceae, Valsaceae, Clypeosphaeriaceae, Gnomoniaceae, Massariaceae, Pleosporaceae, Mycosphaerellaceae, Lophiostomataceae, Amphisphaeriaceae, Coryneliaceae, Cucurbitariaceae, Ceratostomataceae, Sphaeriaceae, Chaetomiaceae, Sordariaceae

3 Dothideaceales Dothideaceae (Dothidiaceae)

4 Hypocreaceales Hypocreaceae

5 **Perisporiineae Perisporales Perisporineae Mildews, powdery mildew**

Microthyriaceae, Perisporiaceae, Paropsidaceae, Erysibaceae (Erysiphaceae)

.236 Hemiascomycetes Hemiascales

1 **Saccharomycetineae Saccharomycetae Saccharomycetes Saccharomycetaceae Yeast fungi**

2 **Protoascineae**

Ascoideaceae, Endomycetaceae, Dipodascaceae, Eremascaceae

.237 **Protodiscineae Exoascineae Exoascales Exoasceae Pocket fungi: peach leaf curl, plum pocket, witch's broom (witch's besom, hexenbesen) of cherry etc**

Ascocorticiaceae, Taphrinaceae (Exoascaceae)

.238 **Plectascineae Gymnoasceae Aspergillales Little tubers**

Myriangiaceae, Terfeziaceae, Elaphomycetaceae, Trichocomaceae (Trichocomataceae), Onygenaceae, Aspergillaceae, Gymnoascaceae

589.24 Deuteromycetes Fungi imperfecti
Oosporeae, see note under 589.2

.241 Fungi imperfecti: conidic type

1 **Hyphomycetes Moniliales Molds: potato, peach, apricot scab**
Tuberculariaceae, Stilbaceae, Dematiaceae, Mucedinaceae

.242 **Sphaeropsidales Spot fungi: black fungi, cranberry scald**
Excipulaceae, Leptostromataceae, Nectrioideaceae (Nectrioidaceae), Sphaerioideaceae (Sphaerioidaceae, Sphaeropsidiaceae)

.243 **Melanconiales Melanconieae Melanconiaceae Black dot fungi**
Anthracnose of grape, raspberry and blackberry; butternut blight; ripe rot; root rot of tobacco, violet, lupin; brown rot of stone fruits

.244 Fungi imperfecti: mycelic type

.25 Phycomycetes Phycomyceteae Siphonomycetes Algaelike fungi, tube fungi

.251 Oomycetes Eg spore fungi

.252 **Peronosporineae Peronosporales Peronosporeae Downy mildews; blights on tobacco, grape vine, potato, cucumber**
Pythiaceae, Peronosporaceae (downy mildews), Albuginaceae (white rusts)

.26 **Saprolegniineae Saprolegniales Saprolegnieae Watermolds**
Leptomitaceae, Saprolegniaceae

.262 **Ancylistineae**
Ancylistaceae, Lagenidiaceae

.263 **Monoblepharidineae Monoblepharidaceae**

.27 Zygosporeae
See note under 589.2

.28 Zygomycetes Mucorales Lowest fungi, moldlike saprophytes

.281 **Mucorineae Black mold**
Piptocephalidaceae, Chaetocladiaceae, Mortierellaceae, Choanephoraceae, Mucoraceae

.282 **Entomophthorineae Entomophthorales Entomophthoreae Entomophthoraceae Fly fungi**

.283 **Endogonineae Endogonaceae**

.284 **Basidiobolineae Basidiobolaceae**

.285 **Chytridiineae Chytridineae Plasmodiophorales Phytomyxinae**
Plasmodiophoraceae, Synchytriaceae, Olpidiaceae, Rhizidiaceae (Chytridiaceae), Hypochytriaceae, Cladochytriaceae (Oochytriaceae) See also 589.29 Myxomycetes

.29 Phytosarcodina Myxothallophyta Myxomycetes Myxophyta Mycetozoa Slime mold
This whole group is claimd by both botanists and zoologists. The following may be clast in botany; other mycetozoa should be clast in zoology under 593.11. See also 589.285 Plasmodiophorales (Plasmodiophoraceae), Phytomyxinae

.292 Acrasiales Acraseae Sorophora
Dictyosteliaceae, Guttulinaceae

589.293 Myxogasteres Myxogastres Myxogastrales
Euplasmodida
.1 **Ectosporeae Exosporeae Ceratiomyxaceae**
.2 **Endosporeae**
Physaraceae, Didymiaceae, Spumariaceae, Brefeldiaceae, Stemonitaceae, Reticulariaceae, Trichiaceae, Cribrariaceae, Clathroptychiaceae, Liceaceae

.3 **Algae**
.4 Carposporeae
See note under 589.2
.41 Rhodophyceae Red algae
.411 Florideae Euflorideae Red seaweeds
.412 **Ceramiales Sea mosses**
Delesseriaceae (Delessariaceae), Rhodomelaceae, Ceramiaceae
.413 **Rhodymeniales Rhodymeninae Higher red seaweeds**
Rhodymeniaceae, Sphaerococcaceae
.414 **Gigartinales Gigartininae Soft red seaweeds**
Rhodophyllidaceae, Gigartinaceae, Acrotylaceae
.415 **Cryptonemiales Hard red seaweeds**
Corallinaceae, Solenoporaceae, Squamariaceae, Rhizophyllidaceae (Rhiziphyllidaceae), Nemastomataceae (Nemastomaceae), Dumontiaceae, Grateloupiaceae, Gloiosiphoniaceae
.416 **Nemalionales Nemalioninae Lower red seaweeds**
Wrangeliaceae (Bonnemaisoniaceae) (clast by Bessey under Ceramiales, 589.412), Gelidiaceae, Chaetangiaceae, Thoreaceae, Helminthocladiaceae, Lemaneaceae
.42 Bangiales Bangioideae
Bangioideae is Bessey's name for this clas, which he divides into 2 orders, Rhodochaetales (including Compsopogonaceae and Rhodochaetaceae) and Bangiales (with only 1 family, Bangiaceae)
.45 Phaeophyceae Euphaeophyceae Brown algae
.451 **Dictyotales Dictyotineae Tetrasporineae Dictyotaceae**
.452 **Fucales Cyclosporeae Cyclosporinae Rockweeds**
Sargassaceae (Sargassum), Fucaceae (Fucus), Himanthaliaceae, Durvilleaceae (Durvillaeaceae)
.453 **Tilopteridales Phaeozoosporineae**
Choristocarpaceae (clast by Bessey under Ectocarpales, 589.457), Tilopteridaceae. Clas here Phaeosporeae, given by Bessey as a clas name including orders 589.453–.457
.454 **Laminariales**
Chordaceae, Laminariaceae, Prototaxitaceae. Clast by Bessey under Ectocarpales (589.457)
.455 **Cutleriales**
Splachnidiaceae, Cutleriaceae
.456 **Sphacelariales Sphacelariaceae**
Clast by Bessey under Ectocarpales (589.457)
.457 **Ectocarpales Kelps**
Giffordiaceae, Hydroclathraceae, Asperococcaceae (Striariaceae, Myriotrichiaceae), Dictyosiphonaceae, Arthrocladiaceae, Scytosiphonaceae, Punctariaceae, Sporochnaceae, Desmarestiaceae, Encoeliaceae, Spermatochnaceae (Stilophoraceae), Elachistaceae, Myrionemataceae (Ralfsiaceae), Corynophlaeaceae, Mesogloeaceae (Chordariaceae), Ectocarpaceae

589.47 Chlorophyceae Euchlorophyceae Isokontae Green algae

.471 Siphonophyceae Siphoneae Tube algae

.472 Siphonales Vaucherioideae Codiales Lower tube algae, green felts

2 Vaucheriaceae

3 Codiaceae

4 Phyllosiphonaceae

5 Derbesiaceae

6 Caulerpaceae

7 Bryopsidaceae Sea ferns

Clas here Bryopsidoideae, given by Bessey as a clas name for higher tube algae

.473 Siphonocladales Siphonocladeae

2 Sphaeropleaceae

Clas here Sphaeropleales, given by West as an order under Ulotrichales (589.474) with only 1 family, Sphaeropleaceae

3 Cladophoraceae

Clas here Cladophorales, given by Bessey and West as an order in which Bessey includes Cladophoraceae and Sphaeropleaceae (589.4732) and classes under Vaucherioideae (589.472), while West includes only 1 family, Cladophoraceae, and classes under Ulotrichales (589.474)

4 Dasycladaceae

Clas here Dasycladales, given by Bessey as an order including Dasycladaceae etc

5 Siphonocladaceae

6 Valoniaceae Large bladder algae

Clas here Valoniales, given by Bessey as an order including Valoniaceae etc

474 Ulotrichales Confervales Confervoideae

2 Chaetophorales

22 Oedogoniaceae

Clas here Oedogoniales, given by West as an order with only 1 family, Oedogoniaceae

23 Cylindrocapsaceae

24 Coleochaetaceae Coleochaeteae

Clas here Coleochaetales, given by Bessey as an order with only 1 family, Coleochaetaceae

25 Aphanochaetaceae Herposteiraceae

26 Chaetopeltidaceae

27 Trentepohliaceae Chroolepidaceae Wittrockiellaceae

28 Chaetophoraceae Microthamniaceae

3 Eu-ulotrichales

32 Blastosporaceae Prasiolaceae

Clas here Prasiolales, given by West, and Schizogoniales, given by Bessey, as an order with only 1 family, Prasiolaceae

33 Microsporaceae

Clas here Microsporales, given by Bessey as an order with only 1 family, Microsporaceae

34 Ulotrichaceae

35 Ulvaceae

Clas here Ulvales, given by Bessey as an order with only 1 family, Ulvaceae

589.475 Protococcales Protococcoideae Green slimes
2 **Euprotococcales Chlorococcales**
22 Autosporinae: Coelastraceae, Dictyosphaeriaceae, Selenastraceae, Oocystaceae, Chlorellaceae, Eremosphaeraceae, Protothecaceae
23 Zoosporinae: Hydrodictyaceae, Protosiphonaceae, Pleurococcaceae, Protococcaceae (Chlorococcaceae), Chlorosphaeraceae, Rhodochytriaceae
3 **Volvocales**
32 Tetrasporales: Tetrasporaceae, Myurococcaceae, Palmellaceae (Palmellales)
33 Chlorodendrales Chlorodendraceae
34 Chlamydomonadales (Coenobiales): Volvocaceae (Sphaerellaceae, volvox), Phacotaceae, Hyalovolvocaceae, Chlamydomonadaceae (eudorina, pandorina), Polyblepharidaceae
.48 Heterokontae Heterocontae Yellow-green algae
.482 **Heterosiphonales**
Botrydiaceae (Hydrogastraceae) Little bladder algae, Geosiphonaceae
.483 **Heterotrichales**
Monociliaceae, Tribonemaceae
.484 **Heterococcales**
Ophiocytiaceae, Harpochytriaceae, Chlorotheciaceae, Chlorobotrydaceae
.485 **Heterochloridales**
2 Heterocapsales Botryococcaceae
3 Mischococcales
4 Chloramoebales Heterochloridaceae
.5 Oosporeae
See note under 589.2
.6 Zygophyceae Conjugate algae
Zygosporeae, see note under 589.2
.61 Conjugatae Conjugateae Euconjugatae
.612 **Zygnematales Zygnemales Pond scum**
Zygnemataceae (Zygnemaceae, zygnema), Spirogyraceae (spirogyra), Mesocarpaceae, Mougeotiaceae, Gonatozygaceae
.613 **Desmidiales Placoderm desmids**
Desmidiaceae, Cosmariaceae (Cosmarieae), Closteriaceae (Closterieae, Penieae)
.614 **Mesotaeniales Mesotaeniaceae Saccoderm desmids**
.62 Bacillariophyta Bacillarioideae Bacillariales Diatomales Diatomeae Diatoms
.622 **Centricae Eupodiscales Cryptoraphideae Round diatoms**
2 Biddulphioideae: Rutilariaceae, Anauliaceae, Euodiaceae, Biddulphiaceae, Chaetocerotaceae
3 Solenioideae (Solenoideae): Soleniaceae, Rhizosoleniaceae
4 Discoideae: Eupodiscaceae, Actinodiscaceae, Coscinodiscaceae, Melosiraceae

589.623 **Pennatae Naviculales Raphideae Pseudoraphideae Flat diatoms**

2 Surirelloideae Surirellaceae

3 Nitzschioideae: Bacillariaceae, Nitzschiaceae

4 Naviculoideae: Cymbellaceae, Gomphonemaceae, Naviculaceae

5 Achnanthoideae Achnanthaceae

6 Fragilarioideae: Eunotiaceae, Fragilariaceae, Diatomaceae, Meridionaceae, Tabellariaceae

.67 Zoosporeae

See note under 589.2

.7 **Protophyta Protista Schizophyta**

.8 Chlorophyllaceae Schizophyceae Myxophyceae Cyanophyceae Phycochromaceae Archiplastideae Containing chlorophyl, slime algae, blue-green or fission algae

.82 **Coccogonales Coccogoneae Chroococcales Chroococcaceae**

.83 **Hormogonales Hormogoneales Hormogoneae**

Stigonemataceae (Sirosiphonaceae), Rivulariaceae, Camptotrichaceae, Nostocaceae, Scytonemataceae, Oscillatoriaceae (Lyngbyaceae)

.84 **Chamaesiphonales**

Chamaesiphonaceae, Pleurocapsaceae

.85 **Holoplastideae Glaucocystales Glaucocystaceae**

.9 Achlorophyllaceae Lacking chlorophyl

.91 Saccharomycetes Yeast

Preferably clast in 589.2361

.95 Schizomycetes Bacteriales Fission fungi, bacteria, microbes Bacteriology

.952 **Thiobacteria Thiobacteriales**

Rhodobacteriaceae, Beggiatoaceae, Achromatiaceae

.953 **Eubacteria Eubacteriales**

Myxobacteriaceae (Myxobacteriales), Phycobacteriaceae (Chlamydobacteriaceae, Chlamydobacteriales), Actinomycetaceae (Actinomycetales), Mycobacteriaceae, Bacteriaceae, Spirillaceae, Coccaceae, Nitrobacteriaceae

.958 **Special applications of bacteriology**

In general libraries best clast with subject, e.g. Soil bacteriology 631.46; but may be kept together here by dividing like main clasification, e.g. Agricultural bacteriology 589.95863

.97 Flagellae

Groups given here ar claimd by both botanists and zoologists. Botanic discussions may be clast here and zoologic under 593.16, or, either number may, as preferd, be chosen to include all the material

972 Silicoflagellatae Dichtyochidae

2 **Siphonotestales Dichtyochaceae**

3 **Stereotestales Ebriaceae**

589.973 Dinoflagellatae Peridinales Peridiniales Peridineae Peridinieae Dinophyceae Cilioflagellatae

See also in zoology 593.17 Ciliata, Cilioflagellata

2 **Diniferidea Deniferina**

22 Peridinioidae Peridiniaceae

23 Gymnodinioidae

232 Blastodiniidae

233 Pouchetiidae

234 Noctilucidae

235 Polykrikidae Polykrikos

236 Gymnodiniidae Gymnodiniaceae

237 Protodiniferidae

3 **Adiniferidea Adinida Adinina**

32 Thecatoidae Prorocentricae Prorocentraceae, prorocentrum

33 Athecatoidae Exuviaella

5 **Doutful dinoflagellatae**

Amphilothioideae, Cystoflagellata (Rhynchoflagellata), Cystodiniidae

.974 Flagellatae Phytoflagellatae Euflagellatae

2 **Euglenales Euglenineae**

Peranemataceae (Peranemaceae), Astasiaceae, Euglenaceae (euglena)

3 **Chloromonadales Chloromonadaceae Vacuolaria**

4 **Cryptophyceae**

42 Cryptococcales

43 Phaeocapsales

44 Cryptomonadales: Nephroselmidaceae, Cryptomonadaceae

5 **Chrysophyceae**

52 Rhizochrysidales

53 Chrysotrichales Phaeothamnionaceae

54 Chrysosphaerales

55 Chrysomonadales

552 Chrysocapsales: Hydruraceae, Chrysocapsaceae, Coccolithophoraceae

553 Ochromonadales Ochromonadaceae

554 Hymenomonadales: Euhymenomonadaceae (Hymenomonadaceae), Isochrysidaceae

555 Chromulinales: Mallomonadaceae, Euchromulinaceae (Chromulinaceae)

6 **Protomastigales**

Protomastigaceae, Tetramitaceae, Trimastigaceae, Amphimonadaceae, Bodonaceae, Monadaceae, Phalansteriaceae, Craspedomonadaceae, Bicoecaceae, Oicomonadaceae

7 **Diastomatales Diastomataceae**

8 **Pantostomatales Rhizoflagellatae**

Rhizomastigaceae, Holomastigaceae

590 Zoology

590.1 Philosofy, classification .2 Compends .3 Dictionaries .4 Essays, lectures, etc. .5 Periodicals .6 Societies .7 Study and teaching, zoologic gardens, aquaria, museums .8 Collectiv works .9 History

591 Physiologic zoology

Divided where needed like .581

.1 Physiology
.11 Circulation
.12 Respiration
.121 Nature
.122 Dermal
.123 Aquivascular
.125 Branchial
.126 Tracheal
.127 Pulmonary
.129 Exhalation of aqueous vapor
.13 Nutrition
.131 Acquisition of food
.132 Digestion of food
.133 Assimilation of food
.134 Growth
.135 Development
.136 Repair of waste
.137 Production of organic material
.138 Conditions of nutritiv activity
.139 Longevity, vitality
.14 Secretion and excretion
.141 Mucous and sebaceous
.142 Sericeous
.143 Digestiv: salivary, gastric, pancreatic
.144 Protectiv and attractiv
Odoriferous, sweet, luminous, electric, etc.
.145 Poisonous, gall formation, caprification
.146 Mammary, spermatic
.147 Lacrimal
.148 Biliary
.149 Urinary and fecal
.15 Variation See also 575.2 Evolution
.151 Polymorfic
.152 Geografic
.153 Heterofagic
.154 Polygoneutic
.155 Mimetic
.156 Sexual
.157 Colorational
.158 Hybrids
.159 Monstrosities

591.16 Generation
.161 Abiogenesis
.162 Parthenogenesis, neuters
.163 Metagenesis, pedogenesis, nurses
.165 Fission and gemmation
.166 Fecundation
.167 Hermaphrodites
.168 Viviparity
.169 Superfetation
.17 Histogenesis
.171 Development of sperm cells
.172 Development of germ cells, micropyle
.179 Reparation of wounds
.18 Nervous functions and sensation
.19 Physiologic chemistry
.2 Pathology
.3 Embryology
.33 Development of embryo
.34 Metamorphosis, larva, pupa, molting
.35 Hypermetamorphosis
.36 Production of sexes
See also 575.9 Origin of sexes
.4 Morfology Comparativ anatomy Homologies
.41 Circulatory organs
.42 Respiratory organs
.43 Nutritory organs
.44 Secretory and excretory organs
.45
.46 Generatory organs
.47 Motory organs and integumentary system
Skelcton, dermoskcleton
.48 Nervous system
.49 Regional anatomy
.5 Habits and behavior
Including popular books; animal stories, except fiction
.51 Instinct Reason
.52 Abode Migration
.53 Food
.54 Seasons Hibernation
.55 Sociability
.56 Philoprogenitivness Breeding
.57 Means of protection Fascination
.58
.59 Other habits

591.6 **Economic**
.61 Usefulness
.62 In nature
.63 As food and medicin for man
.64 In chemistry and manufactures
.65 Noxiousness
.66 Offensiv animals
.67 Animals causing diseases [substances
.68 Injuring vegetable and animal products and inorganic
.69 Injuring living plants and animals Parasites
.7 **Organografy Descriptiv anatomy**
Subdivided like 591.4 Morfology
.8 **Histology** See also 578.9 Microscopic zoology
.9 **Geografic distribution of animals**
Subdivided like 581.9

592 Invertebrates

593 Protozoans Radiates

.1 **Protozoans**
.11 Rhizopoda
.12 Foraminifera
.13 Heliozoa
.14 Radiolaria Polycystina
.15 Infusoria
.16 Flagellata
.17 Ciliata
.18
.19 Gregarinidæ
.2 **Radiates**
.3 Cœlenterata Acalepha (old use of term, now limited to 593.73)
.4 Sponges Porifera Spongia
.5 Cnidaria
.6 **Actinozoa Polyps Corals and sea anemones**
.61 **Rugosa Tetracorolla**
.62 **Alcyonaria Octocorolla**
.63 **Zoantharia Hexacorolla**
.64 Antipatharia
.65 Actinaria
.66 Madreporaria
.7 **Hydrozoa**
.71 Hydromedusæ
.72 Siphonophora
.73 Acalepha
.74 Calycozoa
.76 Marsupialida
.77 Discophora **Jelly fish**

593.8 **Ctenophora Jelly fish**
.9 **Echinodermata**
.91 Crinoidea, sea lilies
.92 Asteroidea, star fish
.93 Stelleridea
.94 Ophiuridea
.95 Echinoidea, sea urchins
.96 Holothuroidea, sea cucumbers
.97 Pedata
.98 Apoda
.99 **Enteropneusta**

594 Mollusks

.1 **Lamellibranchiata Bivalvs**
.2 **Scaphopoda Toothshells**
.3 **Gastropoda Univalvs: snails, slugs** See also 632.643 Pests
.31 Amphineura Chitons
.32 Prosobranchia
.324 Aspidobranchia
.329 Pectinibranchia
.34 Heteropoda
.35 Opisthobranchia Sea slug, sea lemon
.36 Nudibranchia
.37 Tectibranchia Sea hare, bubble shell
.38 Pulmonata Snails
.4 **Pteropoda Wingd shells**
.5 **Cephalopoda Squids and cuttlefish**
.51 Tetrabranchia
.52 Nautilidae Nautilus
.53 Ammonites
.55 Dibranchia
.56 Octopoda Octopus, cuttlefish, squid
.58 Decapoda Ten-armd cephalopod, cuttlebone
.6 **Molluscoidea**
.7 **Bryozoa (Polyzoa) Sea mats**
.71 Gymnolaemata Sea mats
.711 Cyclostoma
.712 Ctenostomata
.713 Chilostomata
.72 Phylactolaemata Fresh water polyzoans
.73 Pterobranchia
.74 Entoprocta
.8 **Brachiopoda Lamp shells**

594.9 Tunicata Sea grapes
.91 Ascidia Sea squirt, sea pear, sea peach, sea potato
.92 Copelatæ Taild ascidian
.93 Monascidiæ Sea squirt
.94 Synascidiæ Composit ascidian
.95 Pyrosoma Firebodies
.96 Salpae Salp
.97 Doliolum Doliolid

595 Articulates

.1 Vermes Worms See also 632.651 Pests
.11 Helminthes Parasitic worms
.12 Platyhelminthes Flatworms
.121 Cestoda Tapeworm
.122 Trematoda Fluke
.123 Turbellarii Black planarian
.124 Nemertini Nemertean worm
.13 Nematodes Trichina, thred worm, pin worm
.131 Gordiacea Hairworm
.133 Acanthocephali Barbd-headed worm
.135 Chaetognathi
.14 Annelida Jointed worms
.15 Hirudinea Leeches
.16 Oligochaeta Earthworm, lugworm
.17 Polychaeta
.174 Gephyrea Spoon worm
.176 Phoronis Actinotrocha worm
.178 Myzostomida
.18 Rotifera Wheel animalcules
.185 Echinoderes
.188 Gastrotricha
.189 Dinophilus
.19 Orthonectida
.195 Dicyemida
.2 Arthropoda
.3 Crustacea
.31 Entomostraca Cyclops, shrimps, etc.
.315 Pantopoda Sea spider
.32 Phyllopoda Leaf-footed crustaceans
.323 Branchiopoda
.324 Cladocera Water flea
.33 Ostracoda
.34 Copepoda Copepod, cyclops
.345 Copepoda parasita Fish lice
.35 Cirripedia Barnacles, etc.

595.36 Malacostraca Sandbugs, crabs, lobsters, etc.
.37 **Arthrostraca**
.371 Amphipoda Sand flea
.372 Isopoda Sow bug, wood lice
.38 **Thoracostraca Crab, shrimp, prawn, lobster**
.381 Cumacea
.382 Stomapoda Sea mantle, glas crab
.383 Schizopoda Opossum shrimp
.384 Decapoda Lobster, crab, crayfish
1 Macrura Lobster, crayfish
2 Brachyura Crab
.39 Gigantostraca
.391 **Merostomata**
.392 **Xiphosura Horseshoe crab**
.393 **Trilobita Trilobites**
.4 Arachnida Spiders Scorpions Mites See also 632.654 Pests
.41 Linguatulida Tongue worm
.412 Tardigrada Water bear
.42 Acarina Mites
.43 Phalangida Harvest spider
.44 Araneida True spider
.45 Pedipalpi Whip scorpion
.46 Scorpiones Scorpion
.47 Pseudoscorpiones False scorpion
.48 Solifugae Weasel-spider
.5 Onychophora
.6 Myriopoda Centiped, etc. See also 632.656 Pests
.61 Chilognatha Milliped
.62 Chilopoda Centiped
.63 Symphyla
.64 Pauropoda
.7 Insecta Hexapoda Insects See also 632.7 Pests
.709 Geografic distribution
Divide like 930-999
.71 Thysanura Bristletails, springtails, etc.
.711 Campodeidae
.713 Poduridae Snow flea, springtail
.715 Lepismatidae Bristletail
.72 Orthoptera Grashoppers, etc.
.721 Dermaptera Earwig
.722 Cursoria Cockroach
.723 Gressoria Walking insect
.724 Phasmidae Walking stick, leaf insect, walking leaf
.725 Mantidae Praying insect, camel insect
.726 Saltatoria Leaping or jumping insects
.727 Acrididae Locust
.728 Locustidae Green grashopper, katydid
.729 Gryllidae Cricket

595.73 Pseudoneuroptera Dragon-flies, white ants, etc.
.731 Thysanoptera Thrip
.732 Corrodentia Booklice, white ant, death watch
.733 Odonata Dragonfly, darning needle, mosquito hawk
.734 Ephemeridae Mayfly, dayfly, shadfly
.735 Perlidae Stone fly
.74 Neuroptera Caddis flies, etc.
.741 Planipennia Ant lion, scorpion fly
.742 Megaloptera Ant lion
.743 Sialidae Hill grammite fly
.744 Panorpidae Scorpion fly
.745 Trichoptera Caddis fly
.746 Strepsiptera
.75 Hemiptera Rhynchota Bugs, etc.
751 Aptera Wingless insects
2 **Pediculidae True lice, crab lice, body lice, head lice**
4 **Mallophaga Bird lice**
.752 Homoptera
2 **Phytophthires (Phytophtires) Stenorhyncha (Sternorhyncha)**
3 Monomera Coccidae Scale-insects, coccids
4 Dimera
5 Aphidae Aphids, plant-lice
6 Aleurodidae Moth-blight insects
7 Psyllidae (Psylloidae) Flea-lice
.753 **Auchenoryncha Trimera**
1 Cicadidae Cicada
2 Fulgoridae Lantern-flies
3 Cercopidae Triecphoridae Froghoppers, cuckoo-spits, spittle-insects
4 Membracidae Tree-hoppers
5 Jassidae Jassids, leaf-hoppers
.754 Heteroptera Squash bug, stink bug, etc.
.76 Coleoptera Beetles
.761 Pentamera
.762 **Adephaga Whirligig, tiger beetle, water beetle, etc.**
.763 **Clavicornia Burying beetle, larder beetle**
.764 **Lamellicornia Dung beetle, June beetle, rose chafer**
.765 **Sternoxia Click beetle, wireworm**
.766 **Malacodermata Ship-timber beetle, powder-post beetle**
.767 Heteromera Blister beetle
.768 Tetramera Weevil, leaf beetle
.769 Trimera Lady-bird beetle
.77 Diptera Flies, etc.
.771 Nematocera Gnat, midge, mosquito, gall midge fly
.772 Brachycera Gadfly, botfly, fleshfly, aphis-fly
.774 Pupipara Lousefly, bee lice
.775 Aphaniptera Flea
.78 Lepidoptera Butterflies, moths
.781 Heterocera Moths
.782 Microlepidoptera Small lepidoptera: clothes moth, codling moth.

595.783 Macrolepidoptera Large lepidoptera
.785 **Geometrina Mesuring worm, canker worm**
.786 **Noctuina Owlet moth**
.787 **Bombycina Silkworm, gipsy moth, tent caterpillar**
.788 **Sphingina Sphinx moth**
.789 Rhopalocera Butterflies
.79 Hymenoptera Bees, wasps, etc.
.791 Terebrantia Boring hymenoptera
.792 **Entomophaga Boring insects**
.793 **Phytophaga Sawfly, horntail, gallfly**
.794 Aculeata Stinging hymenoptera
.795 **Chrysididae Cuckoo wasp**
.796 **Formicidae Ant**
.797 **Fossoria Digger wasp**
.798 **Vespidae True wasp**
.799 **Apidae Bee**

596 Vertebrates

597 Fishes Pisces

.09 Geografic distribution
Divide like 930–999, uzing .092 for oceans, further subdivided like 551.46 and .47; e. g. fishes of Gulf of Mexico 597.0923
.1 Pharyngobranchii Lancelet
Leptocardii, Amphioxus, Acraniata
.2 Marsipobranchii Lampreys
Cyclostomes
.3 Elasmobranchii Sharklike fishes
.31 Selachii Plagiostomes Notidani True sharks
.35 Tectospondyle Ray Rajidae Skate
.38 Holocephali Chimera
.4 Ganoidei Sturgeons, garpikes, etc. (covered with hard bony plates)
.41 Amiidae Bowfin
.44 Chondrostei Acipenseridae Sturgeon
.46 Crossopterygii Fringe-fin
.47 Euganoides Heterocerques Lepidostei Garpike
.48 Dipneusti Dipnoi Lung fish
.5 Teleostei True bony fishes
.53 Lophobranchii Pipe fish, sea horse
.54 Plectognathi File fish, globe fish, box fish
.55 Physostomi Salmon, herring, carp
.56 Anacanthini Cod, halibut, flounder
.57 Pharyngognathi Wrasses, parrot fish
.58 Acanthopterygii Perch, bass, mackerel
.6 Batrachia (Amphibia)
.7 Ophiomorpha
.8 Anura Toads, frogs
.9 Urodela Salamanders

598 Reptils Birds

.1 **Reptils**

.11 Lacertilia Lizards

.12 Ophidia Snakes

.121 Nonvenomus snakes

.126 Venomus snakes

.13 Chelonia Turtles

.14 Crocodilia Crocodiles

.15 Ichthyopterygia

.16 Sauropterygia

.17 Anomodontia

.18 Pterosauria

.19 Dinosauria

.2 **Birds Aves**

.29 Geografic distribution

Divide like 930–999

.3 Grallatores Waders

.31 Fulicariae

Coot, rail, sungrebe

.32 Alectorides

Seriema, sun bittern, trumpeter, kagu, crane, courlan

.33 Limicolae Shore birds

Plover, snipe, sand piper, stilt, oyster catcher

.34 Herodiones

Heron, bittern, stork, ibis, spoonbill, flamingo, umbrette

.4 Natatores Swimmers

.41 Anseres Lamellirostral swimmers

Duck, goose, swan, merganser, screamer, sheldrake

.42 Longipennes Long-wingd swimmers

Jaeger, skua, gull, tern, skimmer, albatross, petrel

.43 Steganopodes Totipalmate swimmers

Tropic bird, cormorant, pelican, darter, gannet, man-o'war bird

.44 Pygopodes Diving birds

Grebe, loon, auk, murre, puffin, penguin

.5 Cursores Ratitæ Runners

.51 Struthionidae Ostrich

.52 Rheidae Rhea

.53 Casuariidae Cassowary Dromaeidae Emu

.54 Apterygidae Kiwi Dinornithidae Moa

.6 Rasores Scratchers

.61 Gallinae Gallinaceus birds

True fowl, grouse, quail, hoatzin, fesant, turkey

.65 Columbae

Pigeon, dodo

598.7 Scansores Climbers
.71 Psittacidae
Parrot, macaw, parakeet, cockatoo, lory, kaka, nestor
.72 Picidae
Woodpecker, pufbird, barbet, jacamar, honey guide, wryneck, toucan
.73 Trogonidae Trogon
.74 Cuculidae Cuckoo
.8 Insessores Perchers
.81 Acromyodi Singing passerin birds
Waxwing, thrush, finch, swallow, warbler, flycatcher, o riole, bobolink, sparrow
.86 Mesomyodi Non-singing passerin birds
Crow, raven, ant bird, broadbill
.89 Picariae Non-passerin birds
Kingfisher, roller, swift, humming bird
.9 Raptores Birds of prey
.91 Falconidae Falcon family Vulturidae Vulture
Hawk, falcon, eagle, buzzard
.97 Night raptores
Strigidae: owl

599 Mammals Mammalia

.1 Monotremata Duckbild platypus, duckmole
.2 Marsupialia Kangaroos, opossums
.3 Placentalia Monodelphia
.31 Edentata Armadillo, anteater, sloth
.32 Rodentia Rat, rabbit, woodchuck
.33 Insectivora Shrew, mole
.4 Cheiroptera Bats
.5 Cetacea Sirenia Whales, etc.
.51 Mysticete Balaenoid whale, whalebone whale
.53 Denticete, Odontocete Tootht whale
.55 Sirenia
.6 Subungulata
.61 Proboscidea
Elefant, mammoth, mastodon
.615 Barytheria Barypoda
.62 Hyracoidea
Hyrax, cony
.625 Embrithopoda
.63 Notoungulata Toxodonta
.632 Typotheria
.64 Homalodotheria Homalodontotheria Entelonychia
.642 Astrapotheria
.643 Toxodontia
.65 Litopterna
.655 Pyrotheria
.66 Amblypoda Short-footed ungulates
.67 Condylarthra Slender ungulates

599.7 **Ungulata Carnivora**
See also 636 Domestic animals
.71 Ungulata Hooft mammals
.72 Perissodactyla Od-toed ungulates
.722 **Chelodactyla Normal perissodactyls**
.723 Hippoidea
.724 Palaeotheriidae
.725 Equidae Monochela Solidipeda Solid ungula
Equines
Horse, ass, zebra, quagga etc
.726 Titanotheroidea Titanotheria
2 Palaeosyopidae
4 Titanotheriidae Brontotheriidae
.727 Tapiroidea
2 Tapiridae Tapirs
4 Lophiodontidae
.728 Rhinocerotoidea
2 Hyracodontidae
4 Rhinocerotidae Rhinoceros
.729 **Ancylopoda Ancylodactyla Chalicotheria Chalicotheroidea Clawd perissodactyls**
.73 Artiodactyla Even-toed ungulates
Bisulca, Dichela
.732 **Nonruminantia**
.733 Selenobunodontia
2 Anthracotheriidae
3 Dichobunidae
4 Trigonolestidae
.734 Suina Bunodontia Swine
2 Cebochoeridae
3 Leptochoeridae
4 Suidae Pigs
5 Dicotylidae Tagassuidae
Peccary
6 Entelodontidae Elotheriidae
Giant pigs
7 Hippopotamidae Hippopotamus
.735 **Ruminantia Selenodontia Ruminants**
2 Oreodonta
3 Anoplotheriidae
4 Tylopoda Cameloidea
Camel, dromedary, llama, alpaca, vicuña etc
5 Tragulina Traguloidea
52 Gelocidae
54 Hypertragulidae
56 Tragulidae
Chevrotain or mouse-deer
6 Pecora
7 Cervicornia Antlerd or solid-hornd ruminants
72 **Giraffidae**
Giraf, okapi
74 **Cervidae Deer**
76 **Merycodontidae Deer-antelope**
8 Cavicornia Hollow-hornd ruminants
82 **Antilocapridae**
Prongbuck or pronghorn antelope
84 **Bovidae Bovines**
Ox, sheep, goat, antelope, gazel, chamois etc

599.74 Carnivora Flesh-eating mammals, beasts of prey
.743 Creodonta Primitiv carnivora
.744 Fissipedia Land carnivora
2 **Aeluroidea Ailuroidea Herpestoidea**
22 Viverridae
Civet, genet, linsang etc
23 Nandiniidae
African palm or tree civet
24 Herpestidae
Mongoose
25 Cryptoproctidae
Foussa or fossa
26 Protelidae
Aard wolf
27 Hyaenidae
Hyena
28 Felidae Cats
4 **Arctoidea**
42 Canidae
Dog, wolf, fox, jackal etc
43 Procyonidae
Raccoon, coati, kinkajou, cacomistle, bassarisk etc
44 Ailuridae Aeluridae
Common panda
45 Ailuropodidae Aeluropodidae
Pandarctos, great or giant panda
46 Ursidae Bears
47 Mustelidae
472 Mustelinae
Weasel, marten, sable, mink, stoat, ermin, poiecat, ferret, wolverine etc
474 Melinae
Badger, ratel etc
475 Mephitinae
Skunk etc
478 Lutrinae Otters
.745 Pinnipedia Fin- or paddle-footed carnivora, aquatic or marine carnivora
.746 **Otariidae Eard seals**
Fur seal, sea lion, sea bear
.747 **Odobaenidae Odobenidae**
Walrus
.748 **Phocidae Earless or true seals**
.8 Quadrumana Apes Primates
.81 Prosimiae Lemur
.82 Pitheciinae: couxio Cynopithecidae: monkey, baboon Catarrhina: gorilla, chimpanzee, orang Platyrrhini: American monkey
.88 Anthropomorpha Anthropoid ape
.9 Bimana Man See also 573 Nat. hist. of man; 610 Medicin

Useful Arts
Applied Science

600 **Useful arts Applied science**

601 Filosofy Theories, etc.

602 Compends, outlines

603 Dictionaries, cyclopedias

604 Essays, lectures, addresses

605 Periodicals, magazines, reviews

606 Societies Fairs Exhibitions

Special exhibitions go with their topics. This is general only

607 Education Schools of technology

Divided like 940–999

608 Patents Inventions

609 History of useful arts in general

For its history, see each special department

610 Medicin

For full list of form divisions see Table 2 following Relativ index. Note special sub divisions below which may be applied as needed thruout 611–619

.7 Study and teaching .71 Medical schools .714 Medical education for special classes: women etc. .73 Training schools for nurses Nursing Regular form divisions may be added here as needed; e.g. 610.7307 Study and teaching of nursing, 610.7309 History of nursing .74 Medical museums .75 Diagnosis .751 Pulse .752 Tongue .753 Eye, skin, etc. .754 Auscultation, percussion .755 Thermometry .756 Chemistry Urin analysis .757 Microscopy, radioscopy, etc. .758 Pathologic anatomy .759 Postmortem examination E.g. 616.0756 Chemic diagnosis of disease, 616.241075 Diagnosis of pneumonia

611 Anatomy

See also 591.4 Comparativ anatomy; 591.8 Zoologic histology

SUMMARY

611.01 Theory
.012 Teratology
.013 Embryology
.014 Anthropologic anatomy
.016 Paleontologic "
.018 Histology
.019 Comparativ anatomy
.1 Circulatory system
.2 Respiratory "
.3 Digestiv "
.4 Glandular and lymfatic system
.6 Genito-urinary system
.7 Motor and integumentary system
.8 Nervous system
.9 Regional anatomy

.01 **Theory**
.0111 Notion, definition, value
.0112 Classification, division
.0114 Terminology

.012 **Teratology Anomalies**
Divided like 617.3 Orthopedic surgery

.013 **Ontogeny Embryology**
See also physiology, 612.6 Reproduction and development

1 Germinativ cells
11 **Sperm**
12 Spermatogenesis See also 611.63 Male genital organs
15 **Ovum**
16 Ovogenesis See also 611.65 Female genital organs
17 Maturation Corpus luteum
2 Copulation Fecundation Fertilization
See also Fecundation, in botany 581.166; in zoology 591.166
3 Germ layers
31 **Segmentation Cleavage Blastula**
314 Blastula
32 **Gastrula**
33 **Primitiv streak**
34 **Blastopore** Primitiv mouth
35 **Archenteron** Primitiv gut
36 **Neurenteric canal**
37 **Entoderm, entoblast, hypoblast or endoderm**
38 **Ectoderm, epiblast or ectoblast**
39 **Mesoderm or mesoblast**
395 Mesenchyme
.0134 Entodermic, entoblastic or hypoblastic organs
41 **Notochord**
5 Ectodermic, epiblastic or ectoblastic organs
Epidermal layer
51 **Neural furrows, folds and canal or medullary plates**
See also 611.8 Nervous system

611.0136 Mesodermic organs
- 61 Protovertebrae Mesoblastic somites, or primitiv vertebrae
- 64 Somatopleure, body wall, or musculocutaneous plate
  - Outer lamella of lateral plates
- 65 Splanchnopleure, fibrous wall of alimentary canal, or gut fiber plate
  - Inner lamella of lateral plates
- 66 Coelom, pleuroperitoneal or body cavity
  - See also 611.389 Coelom
- 68 Blood or primitiv vessel wall
  - See also 611.0185 Histology of blood
- 7 External form of embryo
- 8 Fetal appendages
  - 81 Vitellin sac
  - 82 Allantois
  - 83 Amnion
    - 835 Amniotic fluid
  - 84 Chorion
  - 85 Placenta Umbilic cord
- 9 Experimental embryology

.014 Anthropologic anatomy
- See also 572 Anthropology

.016 Paleontologic anatomy
- See also 560 Paleontology

.018 Histology
- Microscopic structure of organs
- 1 Cells Cytology
  - See also 576.3 Cytology For special cells see tissues to which they belong
  - 11 Protoplasm
  - 13 Nucleus
  - 15 Cell division See also 611.01331
  - 16 Centrosome
  - 18 Cilia Cellular membrane
- 2 Connectiv tissue
  - Connectiv, cartilage and bone tissue together known as 'supporting tissues'
  - 21 Connectiv tissue cells
  - 22 Connectiv tissue fibers
  - 23 Ground substance or matrix
  - 24 Reticular and adenoid tissue
    - Areolar or interstitial tissue Reticulum
  - 25 Mucous or gelatinous tissue Mesenchyme
    - See also embryology, 611.013395 Mesenchyme
  - 26 Adipose or fat tissue
  - 27 Elastic or yellow fibrous tissue
  - 28 Fibrous or white fibrous tissue
  - 29 Pigment and pigment cells
- 3 Cartilaginous tissue
  - True or hyalin cartilage, cartilage cells or chondroblasts For Elastic, yellow fibrocartilage, or reticular cartilage see 611.01827; for Fibrocartilage, fibrous or white fibrocartilage see 611.01828
  - 34 Perichondrium

611.0184 Bone or osseous tissue
41 **Bone cells**
Osteoblasts Osteoclasts Howship's lacunae Myeloplaques of Robin
43 **Ground substance or matrix**
Spongiosum, spongy substance, or cancellated or spongy bone
Compact substance
Structure: lacunae, canaliculi, lamellae, Haversian canals
Volkmann's canals
44 **Periosteum**
Osteogenetic layer or cells; fibers of Sharpey
46 **Bone marrow or medulla**
5 Blood
See also physiology, 612.11 Blood
For sperm, see 611.01311 and 612.616
57 **Lymf**
See also 612.42 Lymfatic system
6 Muscular tissue Sarcoplasm
61 **Smooth, unstriped, unstriated or involuntary muscle**
62 **Striped, striated or voluntary muscle**
Sarcolemma
63 **Cardiac muscle**
64 Histology of muscular contraction
7 Epithelial tissue
72 **Glandular system**
73 **Mucous membranes**
74 **Serous " Endothelia**
8 Nervous tissue
81 **General structure Tectology Neurone**
Regeneration
82 **Nerv cells**
Nissl's chromophilic bodies
83 **Prolongations and nerv fibers**
Cylinder-axis process; cylinder axis. Appendixes, varicosities
833 Neurilemma Schwann's sheath
834 Myelin Ranvier's nodes Medullary sheath
835 Adventitious sheath, perineurium Epineurium
Endoneurium
837 Dendrites
84 **Neuroglia** Ependymal cells, amyloids
86 **Terminations**
861 Motor terminations
866 Sensory "

.019 **Comparison with anatomy of lower animals**
Usually better clast in 591.4

Form divisions

.02 Compends
.03 Dictionaries Cyclopedias
.04 Essays Addresses
.05 Periodicals
.06 Societies Clubs

611.07 Teaching Methods
.072 Laboratories Dissection
.077 Pedagogic methods
.078 Instruments Apparatus
.08 Polygrafy
.09 History

.1 **Circulatory system**
.11 Pericardium
.12 Hart
.122 Left hart
.123 Right hart
.124 **Ventricles**
2 Right 5 Left
.125 **Auricles**
2 Right 5 Left
.126 **Endocardium**
3 Valvs
4 Auriculoventricular valvs
42 Mitral or bicuspid valvs
46 Tricuspid valvs
5 Valvs of aorta and of pulmonary artery
Sinuses of Valsalva
58 Aortic valvs
56 Pulmonary or semilunar valvs
6 Valvs of right auricle
2 Eustachian 5 Coronary
.127 **Myocardium**
.13 Arteries
.131 **Pulmonary artery**
2 Right branch 5 Left branch
.132 **Aorta**
1 Aortic arch Ascending aorta
2 Coronary arteries
2 Right 5 Left
5 Innominate artery
.133 **Carotid arteries**
1 Common carotid
2 External "
21 Superior thyroid
22 Lingual
23 Facial, or external maxillary
24 Ascending pharyngeal
25 Posterior auricular
26 Occipital
27 Superficial temporal
28 Internal maxillary
281 Sphenopalatin arteries
289 Middle or great meningeal
3 Internal carotid
32 Ophthalmic artery
33 Cerebral arteries, anterior and middle
For posterior cerebral artery see 611.1349

611.134 **Subclavian arteries**

1 Axillary

Superior thoracic, acromiothoracic, long thoracic or external mammary, alar thoracic, subscapular, posterior and anterior circumflex

2 Brachial or humeral

Superior and inferior profunda, nutrient, anastomotica magna, muscular

3 Forearm arteries

31 Radial

35 Ulnar

4 Hand arteries

5 Internal mammary Superior epigastric

6 Costocervical trunk

7 Thyrocervical trunk

8 Posterior, or dorsal scapular, transversa colli

9 Vertebral Basilar, posterior cerebral, circle of Willis

.135 **Thoracic aorta and branches**

1 Parietal branches

4 Intercostal "

Subcostal, diaframatic, vas aberrans

5 Visceral branches

Bronchial, esofageal, pericardial, mediastinal

136 **Abdominal aorta and branches**

1 Inferior frenic

2 Lumbar

3 Middle sacral; caudal

4 Celiac axis

Celiac mesenteric, umbilic mesenteric or omphalomesenteric

41 Hepatic

Pyloric, gastroduodenal, superior pancreaticoduodenal, right gastro-epiploic, cystic

42 Splenic, lienalis

Pancreatic, vasa brevia, left gastro-epiploic

43 Left gastric, gastric, or coronary gastric

5 Mesenteric

51 Superior mesenteric

Rami intestini tenuis, or branches of small intestin; inferior pancreaticoduodenal; middle, right and ileocolic; terminal and appendicular branches

52 Inferior mesenteric

Left colic, sigmoid, superior hemorrhoidal

6 Middle suprarenal

7 Renal

8 Spermatic

9 Ovarian

.137 **Iliac arteries**

1 Common iliac

2 Hypogastric, or internal iliac

3 Parietal branches

4 Lateral sacral

5 Obturator

611.1376 Gluteal
61 Superior gluteal
65 Inferior gluteal Sciatic
7 Visceral branches
71 Umbilic, superior vesical
72 Inferior vesical and deferential
73 Uterin and vaginal
74 Middle hemorrhoidal
75 Internal pudic
8 External iliac artery
81 Inferior epigastric, or deep epigastric
82 Deep circumflex iliac
83 Femoral
84 Deep femoral, profunda femoris
2 External circumflex 5 Internal circumflex
85 Arteria genu suprema, or anastomotica magna
86 Popliteal
87 Anterior tibial
9 Tibiofibular trunk, truncus tibioperoneus
91 Posterior tibial
92 Peroneal
93 Arteries of foot
94 Dorsalis pedis
Tarsal, metatarsal, dorsal interosseous, dorsalis hallucis
95 Plantar
.14 Veins
.141 Pulmonary
.142 Cardiac or venae cordis
.143 Subintestinal, or fetal portal vein
.144 Cardinal
.145 Superior vena cava
Innominate veins Veins of neck
1 Internal jugular vein
Thyroid veins
11 Cerebral veins Sinuses of dura mater
13 Emissary vein
15 Superior ofthalmic
16 Inferior "
17 Facial
2 External jugular
3 Posterior external jugular and vertebral
4 Subclavian and axillary
41 Deep veins of upper extremity
46 Superficial veins of upper extremity
2 Basilic 5 Cephalic
6 Azygos
7 Spinal veins

611.146 **Inferior vena cava**
- 1 Lumbar veins
- 2 Renal "
- 3 Suprarenal "
- 4 Hepatic "
- 5 Inferior frenic
- 6 Spermatic
  - Pampiniform or spermatic plexus
- 7 Ovarian

.147 **Iliac veins**
- 1 Hypogastric or internal iliac
  - Hemorrhoidal plexus
- 2 External iliac
- 3 Femoral Popliteal
  - 33 Long, or internal saphenous
  - 37 Tibial veins
  - 38 Short, or external saphenous
  - 39 Veins of foot

.149 **Portal vein**
- 1 Superior mesenteric
- 2 Inferior "
- 3 Ventricular coronary, gastric, or venae gastricae Pyloric
- 4 Splenic, or lienalis
- 5 Cystic
- 7 Fetal hepatic veins Omphalomesenteric
  - Ductus venosus Aranzii, or sinus venosus, large vein passing directly thru fetal liver
- 8 Umbilic

.15 Capillaries

.2 Respiratory system

.21 Nose
- See also 611.86 Organs of smell
- .211 External nose

.22 Larynx
- .221 **Cartilages**
  - Epiglottis, thyroid, arytenoid, cuneiform, cornicular
- .223 False vocal cords
- .224 Ventricles
- .225 **Cavity of larynx Glottis**
  - True vocal cords Rima glottidis or chink of glottis
- .227 Ligaments
- .229 **Muscles of larynx**

.23 Trachea and bronchi
- .231 **Trachea**
- .233 **Bronchi**
  - See also 611.24 below

.24 Lungs, or pulmones

.25 Pleura

.26 Diafram

.27 Mediastinum

.28 Gills
- See comparativ anatomy, 591.42 Respiratory organs

.29 Other organs, including air bladder, swimming bladder See 591.42

611.3 Digestiv system
.31 Mouth, buccal cavity or cavum oris
.313 Tung
5 Papillae
.314 Teeth
.315 Palate, palatum, or roof of mouth Soft palate, or velum pendulum palati Uvula
.316 Salivary and other glands of mouth
1 Submaxillary and sublingual glands
8 Parotid glands Stenson's duct
.317 Lips
.318 Cheeks
.32 Pharynx Esofagus
.321 Pharynx
.322 Tonsils
.323 Faucial tonsils
.324 Pharyngeal or Luschka's tonsils
.325 Lingual, buccal or 4th tonsil
.326 Other tonsils: laryngeal, nasal
.327 Topografy or regions of pharynx
1 Nasal or epipharynx
2 Oral, buccal, or meso pharynx
3 Laryngeal or hypo pharynx
4 Back
5 Sides
.329 Esofagus
1 Cervical 2 Thoracic section 3 Abdominal section, including diaframati-
.33 Stomach
Gastric glands: true, oxyntic or peptic; pyloric; cardiac
.333 Cardia
.334 Pylorus
.335 Greater curvature, or lower convex surface
.336 Lesser " " upper concave "
.34 Intestin
.341 Small intestin
2 Meckel's diverticulum
3 Peyer's patches, or tonsillae intestinales
4 Plicae circulares
5 Glands of Lieberkühn and solitary glands
.342 Duodenum Brünner's glands
.343 Jejunum
.344 Ileum
.345 Cecum
1 Ileocecal valv
2 Vermiform appendix
.347 Large intestin
Including cecum Appendices epiploicae
.348 Colon
2 Ascending
3 Transverse
4 Descending
.349 Sigmoid flexure
.35 Rectum Anus
.351 Rectum Houston's or rectal valve
.352 Anus
.353 Perineum See also 611.96

611.36 Liver
.361 Bile ducts Bile capillaries or canaliculi
.362 Hepatic duct
.366 Cystic duct Gall bladder
.367 Common bile duct, or ductus communis choledicus
Process and ampulla of Vater

.37 Pancreas
.373 Pancreatic duct, or canal of Wirsung
.375 Duct of Santorini
.376 Glandular portion
.377 Interalveolar cell-ilets, intertubular cell masses, ilands of Langerhans

.38 Peritoneum Mesentery Omentum Coelom
.381 **Peritoneum**
2 Parietal 5 Visceral
.382 Omentum, epiploon
Lesser or gastrohepatic, great or gastrocolic, gastrosplenic
.383 Mesentery
Transverse and sigmoid mesocolon; mesorectum; mesoappendix
.384 Retroperitoneal fossae
.389 Coelom or pleuroperitoneal cavity

.39 Adipose bodies

.4 Glandular and lymfatic system
Put glands of any special system with that system. See 611.36, Liver; 611.61, Kidneys; 611.316, Salivary glands; 611.69, Mammary glands. But class here chromaffin tissue in general

.41 Spleen
.415 Malpighian bodies
.418 Capsule of spleen

.42 Lymfatic vessels or lymfatics and capillaries
For lymfatics of an organ or tissue, see name of organ or tissue
Lymfatic spac
.421 **Lymfatics by region**
1 Hed
2 Face
3 Neck
4 Thorax
5 Abdomen
6 Pelvic region
7 Upper extremity
2 Arm 4 Forearm 6 Hand
8 Lower extremity
2 Thigh 4 Leg 6 Foot
9 Tail
.423 Receptaculum chyli or cistern of Pecquet
.424 **Thoracic duct (left)**
.425 **Right lymfatic duct**
.426 Lacteals
5 Villi

.43 Thymus
.435 Accessory thymus

.44 Thyroid gland
.445 Accessory or aberrent thyroids
.447 Parathyroids

.45 Suprarenal capsules or bodies
Accessory suprarenal capsules

61 46 Lymfatic glands
.461 Glands of hed
.462 " " face
Internal maxillary Submental
.463 Glands of neck
1 Suboccipital or occipital
2 Mastoid, retroauricular or postauricular
6 Retropharyngeal
7 Cervical or jugular
8 Subclavian
.464 Glands of thorax
1 Diaframatic
2 Mammary lymf
3 Intercostal
4 Mediastinal
.465 Abdominal lymf glands
1 Iliac and hypogastric: sacral, lumbar
2 Abdomino-aortic
21 Juxta-aortic
22 Preaortic: gastric, splenic, hepatic
23 Retroaortic
4 Glands of small intestin: mesenteric
6 Glands of large intestin: colic, rectal
.467 Lymf glands of upper extremity
1 Axillary
2 Epitrochleal or supratrochleal and other glands
5 Pectoral
.468 Lymf glands of lower extremity
1 Inguinal
2 Femoral
3 Popliteal
4 Anterior tibial
.47 Carotid gland or body
.48 Coccygeal gland
.6 **Genito-urinary system** **Brests**
.61 Kidneys
Class here urinary organs in general
.615 Uriniferous tubules
.617 **Ureter**
.618 Pronephros
.619 Mesonephros
.62 Bladder Urethra
.621 **Bladder**
3 Urethral openings
.622 **Ligaments: urachus**
For pedicle of allantois see also embryology, 611.01386
.623 **Urethra**
For female urethra see 611.674
1 Prostatic part
Verumontanum or caput gallinaginis
Sinus pocularis or uterus masculinus
2 Membranous part
3 Spongy, cavernous or penial part
4 Lacunae Littré's glands
.627 Bulbo-urethral or Cowper's glands
.629 Urogenital sinus

611.63 Male genital organs
.631 Testicles or testes
1 Seminiferous tubules
Straight tubules, tubuli recti or vasa recta; coni vasculosi or vasa efferentia
3 Tunics of testes: vaginalis, albuginea, vasculosa
5 Mediastinum testis or Highmore's body; rete testis of Haller or Haller's network
.632 Epididymis
.633 Appendixes of testes
Vasa aberrantia; hydatids of Morgagni, or pedunculated bodies; paradidymis or organ of Giraldès
.634 Vas deferens
.635 Ejaculatory ducts
.636 Seminal vesicles
.637 Prostate
.638 Scrotum
4 Dartos
.639 Spermatic cord
Infundibula; intercolumnar or spermatic and cremasteric fascia

.64 **Penis**
.641 Root
.642 Body Prepuce
.643 Glans penis, or acorn
.644 Meatus
.645 Corpora cavernosa
.646 Corpus spongiosum
.647 Bulb of urethra

.65 Female genital organs Adnexa
.651 Ovaries
1 Medullary substance Stroma
2 Graafian follicles
Capsule of ovum, membrana granulosa, discus proligerus
3 Cortical layer
.652 Corpus luteum or corpora lutea
See also embryology 611.01317
.656 Fallopian tubes

.66 **Uterus**
.662 Endometrium
.664 Cornua
.665 Body or parenchyma
.666 Neck, cervix
.667 Ligaments
For placenta see embryology, 611.01385 and gynecology 618.36
2 Broad or lateral
3 Round Canal of Nuck
4 Uterosacral and uterolumbar Pouch of Douglas
Posterior ligaments
6 Epoophoron, parovarium, or organ of Rosenmüller Gärtner's duct
7 Paroophoron
669 Müller's duct Oviducts of lower vertebrates
Class oviducts of lower vertebrates in 591.46 except in comparison with human organs

.67 **Vagina Vulva**
.671 Vagina
.672 Hymen Vestibulum
.673 Vulva
1 Mons veneris 2 Labia majora 3 Labia minora
.674 Female urethra
.675 Clitoris Bulbus vestibuli
.677 Bartholins, or vulvo-vaginal glands

.69 **Brests**
.691 Nipple and areola Glands of Montgomery
.692 Acini, acinous glands
.693 Galactoforous or lactiferous ducts

611.7 **Motor and integumentary systems**

.71 Osteology Bones Skeleton

.711 **Spinal colum**

1 Cervical vertebrae

2 Atlas

3 Axis or epistropheus

5 Thoracic or dorsal vertebrae

6 Lumbar vertebrae

7 Sacrum or sacral vertebrae

8 Coccyx

.712 **Ribs Thorax**

5 Costal cartilages

.713 **Sternum or brest bone**

Manubrium; gladiolus; xiphoid or ensiform

.714 **Bones of hed Skull**

1 Calvaria or cerebral cranium

Sutures, fontanelles, supernumerary or Wormian bones

3 Base of cranium

6 Orbits

7 Nasal cavity Inferior conchae

.715 **Cranium, cranial bones**

1 Occipital

2 Sphenoid

3 Temporal

4 Parietal

5 Frontal

6 Ethmoid

7 Lacrimal

8 Nasal

9 Vomer

.716 **Bones of face or visceral cranium**

1 Maxillary, upper jaw or superior maxillary

2 Palate

3 Malar or zygomatic

4 Mandible, lower jaw or inferior maxillary

41 Alveolar limbus

43 Ramus of mandible

5 Hyoid

6 Skeleton branchiae Better clast in 591.47

.717 **Bones of upper extremity**

1 Scapula, shoulder blade

Shoulder girdle as a whole Acromion

2 Clavicle or collar bone

3 Coracoid process

4 Humerus

5 Radius

6 Ulna

7 Carpus, carpal bones or wrist bones

71 Scaphoid or navicular

72 Semilunar, or os lunatum

73 Cuneiforma, or os triquetrum

74 Pisiform

75 Trapezium, or os multangulum majus

76 Trapezoid or " " minus

77 Os magnum, or os capitatum

78 Unciform or hook or os hamatum

79 Central

8 Metacarpus, metacarpal bones

611.7179 Phalanges of hand
91 Basilar or proximal phalanges
93 Middle phalanges
95 Ungual or distal phalanges
99 Sesamoid
.718 Bones of lower extremity
For pelvis see 611.96
1 Hip bone, or os coxae or innominatum
Acetabulum or cotyloid cavity
11 Ilium
12 Ischium
13 Pubis
4 Femur
45 Patella See also 611.7283 Knee joint and 611.983 Knee
5 Tibia
6 Fibula
7 Tarsus
71 Astragalus, ankle bone, or talus
73 Calcaneum, heel, or os calcis
75 Cuboid
76 Scaphoid or navicular
78 Cuneiform or wedge bones
Internal or first, middle or second, external or third cuneiform
8 Metatarsal bones
9 Phalanges of foot
91 Basilar or proximal phalanges
93 Middle or second "
95 Ungual or third "
99 Sesamoid bones
.72 Ligaments Joints
.721 Articulations of vertebrae and of cranium
1 Occipito-atlantal and occipito-axial
3 Intervertebral articulations
5 Atlanto-axial or atlo-axoid and atlanto-odontoid
6 Lumbosacral
7 Sacrococcygeal
8 Coccygeal
.722 Costovertebral articulations
.723 Costosternal, costochondral, chondrosternal, interchondral, intersternal
.724 Jaw joint, temporomandibular, temporomaxillary or mandible joint
.727 Articulations of upper extremity
1 Sternoclavicular joint and costoclavicular or rhomboid ligament
2 Articulations of shoulder
21 Shoulder joint
24 Acromioclavicular or scapuloclavicular joint Coracoclavicular and coracoacromial ligaments
3 Elbow joint
31 Humeroulnar joint
33 Humeroradial joint
34 Superior radioulnar or radioulnaris proximalis
4 Wrist joint
41 Inferior or distal radioulnar joint
44 Radiocarpal

611.7275 Intercarpal articulation
54 Middle carpal joints
6 Carpometacarpal articulations
7 Intermetacarpal "
8 Metacarpophalangeal "
9 Phalangeal or finger joints

.728 **Articulations of lower extremity**
1 Articulations of pelvis
Sacroiliac and pubic, or symphysis ossium pubis; sacrosciatic ligament or symphysis sacrococcygea
2 Hip joint, or articulo coxae
Iliofemoral, Y or Bigelow's ligament; ligamentum teres
3 Knee joint
31 Crucial or femorotibial ligaments
33 Semilunar fibrocartilages
34 Anterior or ligamentum patellae
38 Tibiofibular ligaments
4 Ankle joint
41 Inferior tibiofibular joint
44 Tibiotarsal ligaments
5 Intertarsal ligaments
51 Astragalocalcaneal, calcaneoastragaloid or talocalcaneum; astragaloscaphoid; calcaneoscaphoid or calcaneonavicular ligaments
53 Calcaneocuboid ligaments
54 Mediotarsal articulations
55 Cuboidcuneiform "
56 Scaphoidcuboid or cubonavicularis, scaphoidcuneiform or cuneonavicularis articulations
58 Intercuneiform articulations
6 Tarsometatarsal articulations
7 Intermetatarsal "
8 Metatarsophalangeal "
9 Toe joints

.729 **Classes of joints**
2 Synarthrosis or fixt joint
4 Amphiarthrosis or mixt joint
6 Diarthrosis or movable joint
61 Arthrodia or gliding joint
62 Condylarthrosis or knuckle joint
63 Enarthrosis or ball and socket joint
64 Ginglymus or hinge joint
65 Trochoid or pivot joint

.73 Muscular system Myology

.731 **Dorsal muscles**
1 Spinohumeral or humerospinal muscles
11 Trapezius
12 Latissimus dorsi
13 Rhomboid
14 Levator scapulae
2 Spinocostal or serrati posteriores
3 Spinodorsal
Sacrospinalis, lumbosacral, erector spinae, transversalis cervicis
31 Iliocostal
36 Longissimus dorsi
4 Splenius and complexus

611.7315 Spinalis dorsi
6 Transversospinales
61 Semispinalis
65 Multifidus
68 Rotatores
7 Breves spinae
71 Interspinales
76 Intertransversarii
8 Oblique muscles of hed
9 Recti capitis posterior and lateralis

.732 Muscles of hed

See also 611.7318–9 and 611.7337–8

1 Platysma myoides
2 Occipitofrontalis or epicranial
3 Muscles of nose
Pyramidalis nasi, compressor nasi, compressor narium minor, depressor alae nasi or myrtiform, dilatores nasi
4 Muscles of ear Attrahens, attollens, retrahens
5 Palpebral and orbital muscles of eye
Orbicularis palpebrarum, or sphincter of eyelids; corrugator supercilii; levator palpebrae; levator palpebrae superioris; tensor tarsi
See also 611.8461
6 Buccal muscles
Buccinator, orbicularis oris, levator anguli oris, levatores labii superioris, levator labii superioris alaeque nasi, zygomatic, levator labii inferioris, levator menti, depressor labii inferioris or quadratus menti; depressor angulae oris or triangularis menti; risorius, or Santorini's muscle
7 Muscles aiding mastication and deglutition
71 Masseter
72 Temporal
73 Pterygoid
75 Muscles of palate and pharynx
76 Palate
Levator palati, tensor palati, azygos uvulae, palatoglossus, palatopharyngeus, salpingopharyngeus
78 Pharynx
Inferior, superior and middle constrictors, stylopharyngeus

.733 Muscles of neck

1 Sterno-cleido-mastoid
2 " hyoid
3 Omohyoid
4 Sternothyroid
5 Thyrohyoid
6 Longus colli
7 Rectus capitis anticus major, or longus capitis
8 Rectus capitis anticus minor, or rectus capitis anterior
For rectus capitis lateralis see 611.7319
9 Scaleni: anticus, medius and posticus

.734 Hyoid muscles

Depressors of lower jaw or elevators of hyoid. For tung see 611.315

1 Digastric
4 Stylohyoid
6 Mylohyoid
8 Geniohyoid

611.735 **Thoracic muscles**

1 Pectoralis major
2 " minor
3 Subclavius
4 Levatores costarum
5 Serratus magnus or serratus anterior
6 Intercostal
7 Subcostal
8 Transversus thoracis or triangularis sterni

.736 **Abdominal and coccygeal muscles**

1 Rectus abdominis
2 Pyramidalis abdominis
3 Oblique abdominal
6 Cremaster
7 Transversalis or transversus abdominis
8 Quadratus lumborum
9 Coccygeal

.737 **Muscles of upper extremity**

1 Shoulder or axillary

11 Deltoid
12 Supraspinatus
13 Infraspinatus
14 Teres minor
15 Teres major
16 Subscapular

2 Arm

21 Biceps brachii, or biceps flexor cubiti
22 Coracobrachialis
23 Brachialis (anticus)
24 Triceps brachii, or triceps extensor cubiti
25 Anconeus

3 Forearm

4 **Pronator muscles**

41 Pronator radii teres
45 " quadratus

5 **Flexors of forearm**

51 Flexor carpi radialis
52 Palmaris longus
53 Flexor carpi ulnaris
54 " digitorum sublimis
55 " " profundus
56 " pollicis longus

6 **Extensors and supinators**

61 Brachioradialis
62 Extensor carpi radialis longus
63 " " " brevis
64 " " ulnaris
65 Extensors of fingers, or extensores digitorum
66 Supinator
67 Abductor pollicis longus
68 Short and long extensors of thum, or extensores pollicis brevis et longus
69 Extensor of index finger, or extensor indicis proprius

7 Muscles of hand

71 Lumbricales
72 Palmaris brevis
73 Short abductor of thum, or opponens pollicis
Short flexor of thum, or flexor brevis pollicis. Adductor pollicis
76 Muscles of little finger
Abductor digiti quinti (or minimi) brevis; opponens digiti quinti
short flexor of 5th or little finger, or flexor brevis digiti minimi
79 Interosseous muscles

611.738 **Muscles of lower extremity**
1 Hip and nates
11 Iliopsoas
12 Iliacus
13 Psoas major and minor
14 Gluteal
15 Tensor fasciae latae, tensor fasciae femoris or tensor vaginae femoris
16 Piriformis
17 Obturator internus
18 Gemelli or gemini
19 Quadratus femoris
2 Thigh muscles
21 Sartorius
22 Quadriceps femoris or quadriceps extensor femoris
Rectus femoris, vastus externus, vastus internus and crureus or vastus intermedius
225 Articularis genu, or subcrureus
23 Pectineus
24 Adductors: longus, brevis, magnus and minimus
25 Gracilis
26 Obturator externus
27 Biceps femoris or biceps flexor cruris
28 Semitendinosus
29 Semimembranosus
3 Leg
4 **Anterior muscles**
41 Anterior tibial or tibialis anticus
42 Extensor digitorum longus
43 " hallucis " or proprius
46 Peronaeus tertius
5 **Other muscles of leg**
51 Peronaeus longus
52 " brevis
53 Gastrocnemius
54 Soleus, triceps surae
55 Plantaris
56 Popliteus
57 Posterior tibial
58 Flexor digitorum longus
59 " hallucis "
7 Muscles of foot
8 **Back of foot**
Extensor brevis digitorum
Sole of foot or plantar region
Adductor hallucis (obliquus and transversus), adductor digiti minimi, abductor hallucis; flexor hallucis brevis, flexor digitorum brevis, flexor accessorius, flexor digiti minimi brevis, lumbricales, interosseous muscles
.739 Electric organs Better clast in comparativ anatomy
.74 Tendons Fasciae
May be divided like 611.73; e. g. Achilles tendon 611.74854
.75 Bursae Sheaths of tendons
.751 **Hed**
.752 **Neck**
.753 **Back**
.754 **Shoulder**
.757 **Upper extremity**
.758 **Lower "**
.76 Connectiv tissue See also 611.0182 Histology of connectiv tissue

611.77 Skin Glands of skin
.771 Cuticle, scarf skin or epidermis
Horny and Malpighian layers
.772 Glands of skin
.773 Sebaceous
.774 Sudoriferous or swet
.775 Ciliary glands
.776 Circumanal "
.777 Ceruminous "
.778 Corium, cutis vera, true skin or dermis
Reticular and papillary layers
5 Pigmentation
.779 Subcutaneous areolar tissue, tela subcutanea or paniculus adiposus
.78 Hair, nails, scales, fethers, etc.
For teeth see 611.314 Fur, scales, fethers, horns, etc. better class in comparativ anatomy 501.47
.781 Hair
.785 Scales
.786 Nails
.787 Fethers
.788 Horns
.8 Nervous system Sense organs
.81 Encephalon Brain
Mesurement Weight
.811 General structure of brain and cerebrospinal axis
.812 Localizations
.813 Telencephalon, or endbrain Prosencephalon, or forebrain Hemisferes
Longitudinal and transverse fissure
1 Pallium, brain mantle or cerebral cortex
11 Frontal lobe
Broca's convolutions
12 Parietal lobe Central fissure, sulcus centralis, or Rolando's groove
Opercula insulae
13 Temporal or temporosphenoid lobe Fissure of Sylvius, or fissura cerebri lateralis
14 Limbic lobe Gyrus fornicatus
Hippocampal gyre, or gyrus hippocampi Callosal gyre Dentate gyre, or fascia dentata hippocampi Fasciola Fimbria, taenia fornicis or taenia hippocampi Hippocampus major or cornu ammonis Dentate fissure, hippocampal sulcus, or subiculum cornu ammonis Callosomarginal fissure Amygdala, almond nucleus, or amygdaloid tubercle
15 Occipital lobe
Occipital or parieto-occipital fissure
16 Paracentral gyre or lobule
17 Cuneus Calcarin fissure
18 Precuneus, or quadrate lobe
19 Insula, iland of Reil, central lobe, or gyri operti
2 Striatum, striate body, or corpus striatum
Basal ganglion of hemisfere
21 Caudatum, taild nucleus, or nucleus caudatus
22 Lenticula, lenticular nucleus, or nucleus lentiformis
Globus pallidus, or pallidum, and putamen
23 Claustrum
25 Tenia, taenia semicircularis, stria terminalis or corneae

611.8133 Rhinencephalon or rhinencefal
Olfactory bulb tract, substantia perforata anterior, precribrum, etc.
Broca's area, or parolfactoria

7 Centrum ovale majus (of Vieussens) Centrum semiovale Internal capsule

8 Paraceles or lateral ventricles

9 Callosum or corpus callosum Fornix
Septum pellucidum or lucidum, or septum Cavum septi pellucidi, 5th ventricle or pseudocele

.814 Diencephalon, diencefal, thalamencephalon or interbrain

1 Hypothalamus or subthalamic tegmental region
Nucleus of Luys or nucleus hypothalamicus
Postcommissure or posterior commissure

2 Corpora albicantia, albicans, or corpus mammillare
Bundle of Vicq-d'Azyr, or fasciculus thalamomammillaris

3 Hypophysis
Hypophysis cerebri, pituitary body or somatic brain
Tuber or tuber cinereum Infundibulum.

4 Optic tract Optic chiasm or commissure

5 Epithalamus Pinea, pineal body, conarium or epiphysis Habenula, habena, or pedunculus conarii

6 Geniculate bodies, or geniculum Metathalamus

7 Thalamus or optic thalamus
Thalamic radiation: ansa peduncularis, ansa lenticularis
For Nissl's bodies see 611.01882

8 Third ventricle, or diacele
Porta or foramen of Monro, or foramen interventriculare

.815 Mesencephalon, midbrain or mesencefal

3 Quadrigeminum
Corpora or tubercula quadrigemina Quadrigeminal arms

4 Pedunculi or crura cerebri, crura or crus

41 Substantia nigra (Sömmering) or intercalatum
See also nucleus of Luys 611.8141

42 Foot of peduncle, basis or pes pedunculi, or crusta

43 Tegmentum

44 Red nucleus, nucleus ruber, or rubrum

5 Nuclei of oculomoto and trochlear nervs

6 Aqueduct of Sylvius, aqueductus cerebri, or mesocele

.816 Isthmus rhombencephali

3 Valv of Vieussens, or superior medullary velum

4 Superior cerebellar peduncles
Prepeduncles, brachium conjunctivum cerebelli, or crura ad cerebrum

7 Lemniscus: mesial and lateral fillets

611.817 **Metencephalon or epencephalon, epencefal or hindbrain**
Pons (Varolii)
1 Cerebellum
11 Lobes, fissures, valv of Tarinus, velum medullare posterius, or kilos
13 Cerebellar centers of gray matter Nuclei olivaris superiores: roof nuclei, dentate nuclei, dentatum, etc.
15 White substance of cerebellum Arbor vitae
3 Pons Varolii Tegument For reticula see 611.8226
4 Nuclei of trigeminus system
41 Nucleus motorius or motor nucleus of 5th nerv
42 Nucleus of spinal tract or sensory nucleus of 5th nerv
5 Nucleus or nidus of abducent nerv
6 " " " " facial nerv
68 Salivary nucleus
7 Cochlear nidi or nucleus of cochlear nerv
Ventral root of 8th nerv
76 Trapezium or trapezoid body
77 Nucleus of superior olivary body
78 Acoustic striae, striae acusticae or medullares
8 Vestibular nidi or nucleus of vestibular nerv
Dorsal root of 8th nerv
.818 **Myelencephalon, medulla, bulb or afterbrain, postoblongata or medulla oblongata**
1 Pyramids Pyramidal decussation
2 Dorsal colum, posterior fibers, or funiculi dorsales
Arcuate fibers Restis or restiform body
Fasciculus of Rolando, cuneatus and gracilis
3 Lateral fibers Oliva or olivary bodies
Anterolateral ground bundle or fasciculus proprius anterolateralis; anterolateral cerebellar tract or fasciculus anterolateralis superficialis
4 Interolivary stratum, fillet or lemniscus
5 Fourth ventricle or metepicele
Metapore or foramen of Magendie Foramina of Luschka, Key and Retzius Obex Lingula Calamus scriptorius
6 Nucleus of glossopharyngeal system Solitary tract
7 Nuclei of vagus and accessory nervs
75 Ambiguous nucleus
78 Dorsal nucleus of vagus
9 Nucleus of hypoglossal system or hypoglossal nidus
.819 **Meninges and cerebral meninges**
1 Pia mater or pia
2 Telae choroideae, velum interpositum, choroid plexus
3 Arachnoid villi
Glandulae Pacchioni, Luschka's villi or granulations
4 Cisterns, or subarachnoid cisterns
5 Dura mater, or dura Tentorium and falx cerebelli
Falx cerebri

611.82 Spinal cord, or myel

.821 **Enlargements or intumescentia; general structure**

2 Cervical cord or myel, pars cervicalis
3 Thoracic or dorsal cord or myel, pars thoracalis
4 Lumbar cord or myel, pars lumbaris
5 Sacral cord
6 Terminal cone, or conus (medullaris) Filum Cauda (equina)
8 Grooves and fissures, sulci and fissurae

.822 **Gray substance or matter, entocinerea or cinerea Gray cornua or colum**

1 Anterior or ventral colum or cornu or funiculus anterior
2 Posterior or dorsal " " "
3 Clarke's colum, nucleus dorsalis or Stilling's nuclei
4 Gelatinosa or gelatinous matter, substantia cinerea gelatinosa Substantia spongiosa
6 Reticula or formatio reticularis

.823

.824 **White substance, or alba**

.825 Anterolateral colum

Anterior plus lateral colums

2 **Pyramidal tract or bundle or fasciculus cerebrospinalis**

Direct or uncrost tract, fasciculus cerebrospinalis anterior, or fasciculus

Crost pyramidal tract, or cerebrospinalis lateralis

3 Direct cerebellar tract, or dorsolateral cerebellar tract
4 Gower's tract, cerebellar path of anterior funiculus, or fasciculus anterolateralis superficialis ascendens or anterolateral ascending cerebellar tract
5 Fasciculus sulcomarginalis, or marginal tract of Spitzka and Lissauer
6 Lateral colum or anterolateral descending cerebellar tract or colum of Marchi and Lowenthal
7 Anterolateral ground bundle or fasciculus proprius anterolateralis
8 Anterior or ventral commissure

.826 Posterior or dorsal colums

1 Ascending fibers

Tracts of Burdach (posterolateral or cuneatus) and of Goll (posteromedian or gracilis) and fasciculus of Rolando

5 Descending fibers Comma tract in Burdach's colum
8 Radicular fibers
9 Posterior or dorsal commissure

.827 **Roots of nervs**

Works tracing nerv roots into spinal cord; for microscopic studies on nerv roots see 611.832

1 Anterior or ventral roots
2 Posterior " dorsal "

.828 **Spinal canal Ependyma or endyma**

Rhomboidal sinus Reissner's fibers

.829 **Spinal membranes, or meninges spinales**

1 Spinal pia mater
3 " arachnoid
5 " dura mater

611.83 Periferal nervous system Nervs

.831 Cranial nervs and ganglia

1 Olfactory, or 1st cranial
2 Optic, or 2d cranial
3 Motoroculi, 3d cranial or oculomoto
4 Trochlear, pathetic, or 4th cranial
5 Trifacial, trigeminus, or 5th cranial
Large or great superficial petrosal branch
52 Ofthalmic nerv of Willis
54 Superior maxillary nerv or maxillary nerv
542 Infraorbital branch
56 Mandibular or inferior maxillary
6 Abducent, external motoroculi, oculomoto, or 6th cranial
7 Facial, 7th cranial nerv, or portio dura
73 Other collateral branches
74 Terminal branches
75 Pars intermedia of Wrisberg (nervus intermedius) Chorda tympani
8 Auditory, acoustic or 8th nerv
81 Cochlear nerv or path, or central auditory path
85 Vestibular path or nerv
9 Glossopharyngeal or 9th nerv
91 Pneumogastric, vagus or 10th nerv
911 Parietal branches: auricular and lateral nervs
914 Pharyngeal branches
915 Superior cardiac nervs
916 Superior laryngeal nerv
917 Inferior or recurrent laryngeal nerv
918 Pulmonary branches
919 Esofageal and gastric branches
92 Spinal accessory or 11th nerv
93 Hypoglossal or 12th nerv

.832 Spinal nervs

Including in 5–6 microscopic studies on nerv roots. See also 611.827
1 Dorsal or posterior branches
2 Ventral or anterior "
5 Dorsal or posterior roots See also 611.8272
6 Ventral or anterior " See also 611.8271

.833 Cervical nervs

1 Dorsal or posterior branches of cervical nervs Small and large sub-occipital nervs
2 Ventral anterior branches of cervical nervs
3 Cervical plexus
32 Large auricular nerv
33 Cutaneous nerv of neck
34 Supraclavicular nervs
36 Frenic or internal respiratory nerv of Bell
4 Brachial plexus
41 Supraclavicular part
47 Infraclavicular part
5 Median nerv
6 Ulnar or cubital nerv
7 Radial nerv
Musculo-spiral
8 Musculocutaneous nerv
9 Antibrachii ulnaris
Cutaneus brachii medialis, or nerv of Wrisberg

.834 Thoracic nervs

1 Posterior branches
2 Anterior " Intercostal nervs

611.835 Lumbar and sacral nervs
1 Posterior branches
2 Anterior "
3 Lumbosacral plexuses
4 Lumbar plexus
41 Great iliohypogastric nerv
42 Ilioinguinal
43 Genitofemoral or genitocrural
44 Lateral or cutaneous nerv of thigh
5 Femoral nerv or anterior crural nerv (femoralis)
51 Middle cutaneous nerv
52 Internal " "
53 Muscular branches of posterior division of anterior crural nerv
54 Long or internal saphenous nerv
6 Obturator nerv
61 Accessory obturator, or accessory anterior crural nerv of Winslow
68 Lumbosacral cord
7 Sacral or sciatic plexus
71 Superior gluteal
72 Inferior "
73 Small sciatic nerv (cutaneus femoris posterior)
8 Great sciatic nerv or ischiadicus
81 External poplitcal, or peronaeus communis or peroneal
82 Sural or lateral cutaneous branch, or cutaneus surae lateralis
84 Musculocutaneous or superficial peroneal
86 Anterior tibial nerv or deep peroneal
87 Internal popliteal or tibial
88 Sural or plantar nervs
9 Genital, pudic or pudendal plexus
93 Collateral branches
95 Pudic nerv
.836 Coccygeal plexus Coccygeal nervs
.839 Sympathetic system
1 Cervical and cephalic part
11 Superior cervical ganglion
12 Internal carotid nerv and plexus
Cavernous plexus
13 External carotid nerv and plexus
14 Common " plexus Superior cardiac nerv
15 Middle " ganglion Middle " "
16 Inferior cervical "
17 " cardiac nerv Cardiac plexus
2 Thoracic part of gangliated cord
3 Abdominal and pelvic part of sympathetic system
31 Solar or epigastric plexus or plexus coeliacus
.84 Eye Organ of vision
See also 611.7146 Orbit, including capsule of Ténon
.841 Fibrous coats or tunics of eye
1 Conjunctiva
3 Cornea
5 Sclerotic coat or sclera
Canal of Schlemm Spaces of Fontana
.842 Vascular coats of eye Uveal tract
1 Iris Pupil
3 Choroid
Tapetum
5 Ciliary body, muscle and processes
.843 Retina
Optic disc; macula lutea For optic nerv see 611.8311

611.844 **Refracting media**
1 Crystallin lens
2 Zonule of Zinn or zonula ciliaris
7 Vitreous humor Posterior chamber
Hyaloid membrane Hyaloid or Stilling's or Cloquet's canal
Canal of Petit
9 Aqueous humor Anterior chamber
.846 **Accessory organs of eye**
1 External muscles, musculi oculi
4 Tear apparatus
7 Lacrimal gland
8 " canals and puncta
9 " sac and nasal duct
.847 **Eyelids or palpebrae**
Canthi
5 Eyelashes or cilia
6 Eyebrows or supercilia
.85 Ear Organ of hearing
See also 611.8318 Auditory nerv
.851 **Internal ear**
.852 Membranous labyrinth
1 Cochlea, scala media, or ductus cochlearis
2 Organ of Corti, or Corti's fibers
4 Saccule
5 Utricle
6 Semicircular canals
.853 Osseous labyrinth
Vestibule, semicircular canals, cochlea, modiolus or columella
.854 **Middle ear or tympanum**
Atrium or tympanic cavity proper
5 Attic
7 Mastoid cells
855 Membrana tympani, or drumhed
.856 Eustachian tube or tuba auditiva
.857 Bones of ear
Malleus or hammer; incus or anvil; stapes or stirrup; muscles of tympanum, stapedius and tensor tympani
.858 **External ear**
Meatus, pinna
.86 Organs of smell; olfactory organs
.87 " " taste
.88 " " touch and senses in general
889 Organa lateralia
.89 Ganglions
Class ganglions here if separately treated
.891 **Cranial ganglions**
5 Semilunar ganglion or Gasserian
52 Ciliary "
54 Sphenopalatin or Meckel's ganglion
56 Otic or Arnold's submaxillary ganglion
7 Geniculate ganglion
81 Spiral or Corti's ganglion
85 Vestibular ganglion
9 Petrosal and superior glossopharyngeal ganglion
91 Jugular and nodose ganglions
.892 Ganglions of spinal nervs
See also 611.832 Spinal nervs
.899 Sympathetic ganglions
For chromaffin tissue see 611.4

611.9 Regional anatomy
- .91 Hed
  - .92 Face
- .93 Neck
- .94 Thorax
  - .942 Front or pectoral
  - .946 Back or dorsal
- .95 Abdomen
  - .951 Epigastric region
  - .955 Mesogastric "
  - .957 Hypogastric "
  - .959 Lumbar "
  - .96 Pelvic and perineal region
    - .962 True pelvis
    - .964 False "
      - 1 Inlet 2 Cavity 3 Outlet
    - .966 Position and size
    - .968 Difference between male and female pelvis
- .97 Upper extremities
  - .971 Shoulder or axilla
  - .972 Arm
  - .973 Elbow
  - .974 Forearm
  - .975 Wrist
  - .976 Hand
    - .977 Fingers
- .98 Lower extremities
  - .981 Hip Nates Sulcus inguinalis
    - 1 Hip
    - 2 Nates
    - 3 Sulcus inguinalis
      - 4 Inguinal canal
      - 5 Crural or femoral canal
  - .982 Thigh
  - .983 Knee Popliteal space
  - .984 Leg
  - .985 Ankle
  - .986 Foot
    - .987 Toes
- .99 Tail

612 Physiology

SUMMARY

612.013 Vitalism
.014 Cells and organisms
.015 Physiologic chemistry
.1 Blood and circulatory system
.2 Respiration
.3 Digestion
.4 Glandular system
.5 Animal heat
.6 Reproduction Development
.7 Motor and vocal apparatus
.8 Nervous system

.01 General theory of physiology

.0111 Notion, definition, nature
.0112 Classification, division
.0114 Terminology, notation, symbols
.0118 Methods

.012 Physiologic theories and generalities

.013 On the nature of life and deth Vitalism

This place is provided for the physiologist who prefers to keep related topics with his subjects. Usually the heds under this number are better clast in their broader relations; i. e. see 577.2 for the nature of life; 577.7 for the nature of deth; 612.67 for deth as a stage in vital history

1 Signs of real deth See 577.7
2 Experiments on executed persons
4 Tneories of life and the soul Vitalism
See metaphysics, 128
5 Comparisons of animals and plants See 577.5
6 Organism and inanimate matter See 577.1
7 Vital energy See 577.6
8 Experiments on surviving organs See 577.6

.014 General physiology of cells and organisms

See 576 and note under 612.013

1 Chemistry of cells
11 Aerobic and anaerobic cells
2 Physiologic morfology of cells
21 Functions of protoplasm
22 " " nucleus
24 " " chromosome bodies Chromatolysis
26 " " centrosome
3 Physiologic characteristics of cells
31 Irritability in general
32 Fatigue
4 Influence of environment on cells and organisms Mesology
41 Effects of barometric pressure
See also 612.27 Influence of barometric pressure on living beings
42 Action of electricity Electrophysiology
421 Electrophysiologic technic
See also 615.84 Electrotherapy
2 Static electricity
4 Dynamic electricity
5 Alternating currents
7 Electric mesurements
8 Special instruments
1 Electrodes 2 Telefone microfone 6 Galvanometers
422 Electric resistance Conductibility

612.014 423 Electric fenomena of organisms
For electric fenomena of muscles see 612.743, of nervs and muscles see 612.813
1 Theory of electric fenomena
2 Negativ variation
3 Electrotonus
4 Electric fenomena of tissues in repose and in action
424 Action of electricity on organisms
Everything concerning effect of electricity on function may be clast here by adding 0 and dividing like 612; e. g. action of electricity on red corpuscles 612.0144240111, as .111 is the subdivision of 612 meaning red corpuscles. Action of electricity on bile 612.0144240357, as .357 means bile
2 Action of static electricity
3 " " atmosferic "
4 " " dynamic "
5 " " alternating currents
425 Deth by electric shock; by lightning
426 Magnetic action
427 Galvanotropism
428 Electrotherapy from physiologic point of view
43 **Action of heat and cold** See also 612.59
44 **Action of light** See also 612.843
445 Fosforescence
447 Heliotropism Fototropism
See also 615.831 Fototherapy
45 **Action of sound and its vibrations**
See also 612.85876
46 **Poisons and chemic substances**
Poisons and definit chemic substances ar preferably clast in 615.7, general toxicology in 615.9. This number is for topics of special physiologic interest
461 Effects of water
1 Reviviscent animals
2 Hydrations
3 Quantity of water in organisms and tissues
462 Physicochemic forces
1 Osmosis
2 Molecular concentration in organic fluids Crvoscopy
Subdivisible with 0 like 612; e. g. Cryoscopy of gastric juice 612.0144622032
3 Relation between secretion and osmotic pressure
4 Relation between osmosis and electric action: ions
5 Colloid substances: coagulation, agglutination, etc.
See also 612.398133 Theory of histologic conservation
6 Reaction, acid or alkalin
7 Viscosity
8 Superficial tension
9 Other physicochemic forces
463 Action of mineral salts on organisms
464 " " air, normal and abnormal; of oxygen and ozone
465 " " anesthetics
466 " " antiseptics
467 Chemotaxis Chemotropism
469 Action of other chemic forces
47 **Action of mechanical forces**
477 Geotropism
478 Thigmotaxis
48 **Other physical forces**
481 Various rays
1 Physiologic effect of X rays
To express effect of X rays on a specific organ or tissue, ad 0 and subdivide like 612; e. g. effect of X rays on sight 612.0144811084
4 Effect on lower organisms
482 Effect of radioactiv substances; Becquerel rays
483 Production and action of N rays

612.015 **Physiologic chemistry in general**
1 Ferments
11 **Oxydants** **Reducing ferments**
12 **Hydrolytic**
13 **Proteolytic**
14 **Lipolytic**
15 **Amylolytic and sucroclastic**
16 **Glycolytic**
161 Alcoholic
2 Normal composition of the body and its products
See also 612.3926, 612.396–.398
21 **Extracts of organs**
3 Metabolism
31 **Of mineral substances**
See also 612.3926
32 **Of carbon**
See also 612.22
33 **Of nitrogen**
See also 612.46123
34 **Of substances foren to the normal organism**
Elimination of poisons
Most material will be clast under 615.7 and its subdivisions
See also special organs
346 Metabolism of nonnitrogenous substances
347 " crystallizable nitrogenous substances
348 " albuminoids
349 after deth Autolysis
Subdivisable with o like 612; e. g. autolysis of the liver 612 015349035
35 **Influence of temperature on metabolism**
See also 612.59
36 **Reductions, hydrations and syntheses in organisms**
37 **Influence of other agents on metabolism**
38 **Influence of nervous system on metabolism**
39 **Metabolism in disease**
4 Staining substances and pigments
.016 **Means of attack and defense**
Comparativ physiology; usually better clast in 591.57
1 Autotomy
2 Mimicry
3 Physiology of parasites
.019 **Comparativ physiology**
May be subdivided like 590 to signify kind of animal; e. g. Reptils being 598.1, comparison of reptil and human physiology is 612.01981
Class here only books written distinctly from physiologist's point of view. Other works on comparativ zoology are better in 591.1
Form divisions
.02 Compends
.03 Dictionaries Cyclopedias
.04 Essays Addresses
.05 Periodicals
.06 Societies Clubs
.07 Study and teaching
.072 Vivisection
See also ethics, 179.4, and laws, 614.22
.08 Polygrafy
.09 History

612.1 Blood and circulatory system

.109 History of circulation of blood

.11 General properties of blood

.111 Red corpuscles

1 Chemic composition

11 Hemoglobin and oxyhemoglobin

14 Carboxyhemoglobin

Action of CO on blood, carbon monoxid hemoglobin

15 Spectroscopy of blood

16 Methemoglobin and derivates

Hematin or hematoxylin, hematoidin, globin, hemin or Teichmann's crystals, hematochromogen, hematoporphyrin

17 Isotony of corpuscles Osmotic permeability

19 Chemic substances in corpuscles

Lecithin, urea, cholesterin, etc.

2 Number of corpuscles

Technic of counting

22 Volume of corpuscles

3 Formation of corpuscles

See also 612.119 Sanguification

4 Action of poisons on corpuscles

See also 612.11114 Action of CO on blood

44 Agglutinating substances

45 Hemolytic substances

6 Corpuscles in disease

7 Other red corpuscles than erythrocytes

8 Coloring matters of invertebrate blood

e. g. hemocyanin

9 Other similar coloring matters

e. g. chlorophyl and derivates: phylloerythrin

.112 Leucocytes and ameboid cells

1 Chemistry of leucocytes

11 Ferments of leucocytes

Influence of leucocytes (lymphocytes) on digestion

2 Movements and irritability of leucocytes

3 Phagocytosis

4 Diapedesis

5 Effect on coagulation of blood

6 In disease and intoxications Leucocytosis

For digestiv leucocytosis see 612.11211

7 Counting and its technic

8 Numeric relations of white and red corpuscles

9 Varieties Physiologic morfology

.113 Arterial blood

.114 Venous "

.115 Coagulation of blood

1 Fibrin Fibrinoplastin

11 Composition and chemic properties

12 Fibrogenous and fibrinoplastic ferments **Fibrinogen** **Thrombin**

13 Estimating quantity of fibrin

3 Substances modifying coagulation

31 Retarding agents

35 Accelerating agents

612.116 **Total quantity of blood**

2 Hemorrhage Anemia

Subdivisable with o like 612; e. g. physiologic influence of anemia on kidneys 612.1162046 For pathologic effect see 616.243, 618.54

21 Hemostasia

3 Transfusion

Effect on system receiving transfused blood

.118 **Physical and biologic properties of blood**

1 Physical

11 Osmotic pressure

See also 612.11117 Osmotic permeability

13 Effect of various injections

14 Viscosity

17 Cryoscopy of blood

Method of studying isotony and similar phenomena by relativ freezing points of solutions

2 Biologic properties

21 Toxins and antitoxins

Physiologic effect For chemic action see 612.3988 May be used for those not produced by the blood, e. g. cytotoxins

211 Theory of toxic and antitoxic action

22 Toxic and antitoxic action of blood

Limited to blood toxins and antitoxins. See also 612.3988

221 Specific reaction of blood and albuminoids

Blood in legal medicin

222 Natural immunity

223 Effect of blood on bacteria

Class here physiologic aspect of opsonic theory, opsonins and opsonic index See also 615.37 Serotherapy

24 Various toxic and antitoxic substances of blood

7 Varieties of blood in different parts of body

.119 **Hematopoiesis or sanguification**

See also 612.1113 Formation of red corpuscles

.12 Chemic properties of blood

.121 **Reaction and density**

Color reaction Specific gravity

.122 **Carbohydrates in blood**

1 Glucose 2 Glycogen 3 Glycolytic ferments

.123 **Fats, lipoids, cholesterin, saponin, glycerin**

.124 **Albumins and albuminoids Uncrystallizable nitrogen compounds**

See also 612.39812 Blood serum

.125 **Crystallizable nitrogen compounds**

1 Staining substances of serum

.126 **Mineral salts**

.127 **Blood gases**

1 Technic for determining quantity 2 Oxygen 3 Carbonic acid

.128 **Ferments**

.129 **Other chemic substances**

Abnormal substances

612.13 Hydraulic principles of circulation
.133 **Arterial circulation**
Sounds and murmurs
See also 612.143
.134 **Venous circulation**
See also 612.144
1 Air in the veins
2 Venous pulse Flebogram
.135 **Capillary circulation**
.14 Blood pressure
.141 **Technic of mesuring pressure**
Sphygmograf Sphygmomanometry
.143 **Pressure in arteries**
See also 612.133
.144 **Pressure in veins**
See also 612.134
.145 **Pressure in capillaries**
See also 612.135
.146 **Influence of various agents on pressure**
1 Influence of respiration Asphyxia
See also 612.213
2 Effect of drugs and organic extracts
3 Pressure in disease
.148 **Pressure in lesser or pulmonary circulation**
.15 Rapidity of circulation
In arteries, veins or capillaries Technic of mesuring
.16 Pulse
For dicrotic pulse see 616.0751 Pulse in diagnosis
See also 612.1342 Venous pulse
.166 **Pulse in disease**
.17 Hart
.171 **Mechanism of cardiac contraction**
Impulse or apex beat Change of volume and position of beating hart Systole Diastole
1 Technic of cardiac contraction Cardiografy
3 Valvs System of valv closure
5 Hart sounds
56 " " in disease
7 Action of abnormal hart: misplaced or malformd
.172 **Hart as a muscle**
Cardiac irritability, contractibility and physiologic morfology
1 Action of blood and coronary arteries Cardiac anemia
2 Rhythm Excitation wave Frequency of beats
3 Electric stimulation of hart and refractory period
4 Electromotiv force
5 Surviving hart Artificial respiration
Solutions maintaining beat of hart
6 Physiologic morfology
61 Conduction of stimulation

612.173 Work of the hart
Chemic, dynamic and thermic fenomena
1 Chemic composition of hart
2 Intracardiac pressure
.174 Effect of toxins on the hart
1 Atropin
2 Anesthetics
.176 Hart in disease
.178 Innervation of hart
1 Pneumogastric or vagus
See also 612.819911
2 Sympathetic
See also 612.897
3 Ganglions of hart
4 Action of cerebrum
See also 612.8228
5 Action of medulla oblongata
See also 612.828
6 Cardiac syncopes and reflexes
7 Depressor nerv
.179 Prenatal circulation
.18 Vasomotors
.181 Action of nervs and nerv centers on bloodvessels
1 Action of cerebrum
2 " " medulla oblongata
3 " " spinal cord
4 " " great sympathetic
.182 Influence of vasomotors on arterial pressure
.183 Vasoconstrictors
.184 Vasodilators
.185 Effect of poisons on vasomotors
.186 Vasomotors in disease
.187 Vasomotors in organs
Divide like 612 Physiology; e. g.
612.18724 Effect of vasomotors on lung capacity
612.1878421 Effect of vasomotors on iris
612.1875 Influence of vasomotors on temperature
612.187556 Vasomotors in fever
.188 Erectil tissues
See also 612.612
.189 Change of volume of organs
Plethysmografy Quantity of blood in various organs
.19 Action of special organs on circulation
.2 Respiration
See also 612.793 Cutaneous respiration
.21 Respiratory movements Mechanics of respiration
.211 Pneumografy Respiratory types
Respiratory excursion
.212 Pulmonary elasticity and intrapleural pressure
Intrapulmonary and intrathoracic respirations

612.213 **Influence of respiration on circulation**
See also 612.1461
.215 **Special physiology of respiratory apparatus**
1 Bronchi
2 Trachea
3 Smooth pulmonary muscles
4 Primary paths of respiration: nose and pharynx
5 Pleura
8 Pulmonary circulation
See also 612.148
9 Pulmonary absorption of liquids
See also 612.385
.216 **Respiratory frequency and rhythm**
1 Respiratory sounds
2 Pulmonary ventilation
3 Artificial respiration, artificial changes of respiration
.217 **Action of muscles Mechanical fenomena**
Dimensions and expansibility of thorax
1 Action of diafram
.219 **Other mechanical fenomena**
Modified respiratory acts: snoring, laughing, crying, sighing, yawning, coughing, hawking, sneezing, blowing nose, gargling
.22 Respiratory exchange of gases Respiratory chemistry
02 Action of oxygen and ozone on organisms
08 Composition of normal air (only in its physiologic bearing)
.221 **Technic of gaseous exchange**
.222 **Effect of various agents on gaseous exchange**
.223 **Effect of quality of air**
Hyperpnea, polypnea, thermopnea
1 Composition of abnormal air
11 **Carbonic acid**
12 **Activ oxygen or ozone**
2 Influence of barometric pressure
See 612.27
3 Influence of climate
.224 **Influence of food**
.225 " " **temperature**
.226 **Effect of disease and intoxications**
.227 **Influence of organs**
1 Influence of muscular movements
Motion, rest, work
2 Influence of nervous system
3 " " circulation
.229 **Influence of animal kind**
Variability of gaseous exchange in animal kinds
1 Influence of stature
2 Aquatic animals

612.23 Gaseous exchange in the blood
.231 Expired air Respiratory quotient
.232 Asphyxiation
In legal medicin
1 Artificial respiration in asphyxiation
2 Asphyxiation by submersion
3 Hart in asphyxiation
4 Toxic action of carbonic acid (CO_2)
.233 Respiration in confined air
.234 Toxic action of carbonous oxid (CO)
See also 612.11114 and 615.96
.235 Exchange of gases between air and blood
1 Theory
.24 Lung capacity Vital capacity
Residual, reserv, respiratory or tidal and complemental air
25 Exhalation of water from lungs
26 Internal or tissue respiration
.261 Exchange of gases between tissues and blood
.262 Accumulation of oxygen in tissues (cells)
.27 Influence of barometric pressure on living beings
See also 612.01441. For effect on absorption of oxygen and exhalation of carbonic acid see 612.2232
.273 Toxic effects of oxygen and ozone
.274 Effect of more than normal pressure
Physiologic aspect of caisson disease
.275 Effect of less than normal pressure
1 Physiologic and therapeutic effects of high altitudes
11 Mountain and aeronautic sickness
.276 Effect of pressure on fermentations
Effect of removing pressure
.279 Maximum pressures
Effect on aquatic animals
.28 Respiratory centers
Influence of nervous system on respiration
.281 Action of cerebrum and of will
.282 " " medulla oblongata and vagus nucleus
.283 " " spinal cord
.284 " " chemic substances and abnormal blood gases
1 Toxicology of center
2 Apnea, acapnea, dyspnea
See also 612.232
.287 Action of pneumogastric or vagus nervs
See also 612.819912
.288 Respiratory reflexes
See also 612.8332
.29 Influence of other organs on respiration

612.3 Digestion
May be subdivided by 01–09 for form, if needed
.31 Mouth Teeth Salivary glands
.311 Mastication and prehension
1 Physiology of teeth
.312 Deglutition or swallowing
2 Tonsils 3 Tung
.313 Salivary glands Saliva
1 Composition of normal saliva
2 Action of saliva on food Ptyalin
3 Salivary secretion
31 Toxic effect of saliva
4 Action of chemic substances
See also Therapeutics, 615.741 Sialagogs
41 Elimination
42 Action of atropin and of pilocarpin
5 Physiologic morfology
6 Pathologic changes of saliva
61 Salivary fistulas
63 Bacteriology
64 Salivary calculi
69 Abnormal substances
8 Action of nervous system on salivary secretion
82 Action of sympathetic nervs
See also 612.898
87 Action of chorda tympani
See also 612.81977
.314 Salivary venoms and venoms in general
1 Chemic composition
2 Toxic action
3 Natural immunity and resistance to venoms
4 Attenuation and neutralization of venoms
5 Treatment of venom poisoning Serotherapy
See 615.94 Duplicated here for physiologist only
51 Antitoxins
See also 612.11822 Antitoxins of serum
.315 Esofagus
.32 Stomach Gastric juice Vomiting
.321 Normal composition of gastric juice
1 Gastric fistulas, experimental and pathologic
2 Determination of acid in gastric juice
5 Proteolytic ferments: pepsin
6 Milk curdling ferments, inorganic and organic
.322 Digestiv power of gastric juice
1 Starch and analogs
2 Sugars " "
3 Fats " "
4 Albuminoids
45 Nature and properties of peptones
See also 612.39817
5 Antiputrefactiv properties of gastric juice
6 Mixture of bile or other secretions of digestiv tract and gastric juice

612.3227 Absorption in stomach and transformation (into mucus) of products of digestion
See also 612.386
72 Absorption and transformation of sugars
73 " " " " fats
74 " " " " nitrogenous substances (peptones)
75 " " " " salts Effect on stomach
.323 **Stomach secretion**
2 Formation and destruction of pepsin
21 Pepsin in urin
3 Formation of hydrochloric acid (HCl)
4 Autodigestion of stomach
5 Effects of removing stomach
.324 **Action of chemic substances (poisons) on gastric secretion and their elimination**
.325 **Physiologic morfology of stomach**
Relation between morfologic changes and stimulation
.326 **Pathologic changes of stomach secretion**
3 Bacteriology
5 Gastric juice in disease
9 Abnormal substances in gastric juice
.327 **Movements of stomach**
1 Muscular irritability of stomacn
2 Motor action of pneumogastric See also 612.819913
3 Evacuation of stomach
5 Merycism and rumination
7 Vomiting
8 Action of emetics or vomitories
See also under therapeutics, 615.731 Emetics
.328 **Action of nervous system on stomach**
1 Psychic influence on stomach secretions
8 Sensibility of stomach
.33 Intestin
Middle intestin and glands of middle intestin in invertebrates
.331 **Normal composition of intestinal juice**
1 Intestinal fistulas, experimental and pathologic
7 Intestinal gases Fermentiv process due to bacteria
.332 **Intestinal digestion**
2 Carbohydrates
3 Fats
4 Albuminoids and derivates Erepsin
7 Absorption and changes of food in intestin
See also 612.386
72 Carbohydrates
73 Fats Chyliferous vessels See also 612.426
74 Albuminoid derivates
75 Other substances
751 Inorganic substances Water and salts
8 Action of intestinal juice on other secretions and ferments
See also 612.3226
84 Enterokinasis and secretin

612.333 Intestinal secretion
.334 Action of chemic substances on the intestin and their elimination
4 Purgativs
See also therapeutics, 615.7323 Cathartics
.335 Physiologic morfology of intestin
5 Intestinal circulation
.336 Pathologic changes of intestinal secretion
3 Parasites and microbes
31 Bacterial fermentation Physiologic effect of microbes
.337 Movements of intestin
1 Movement of chyme in intestin
.338 Action of nervous system on intestin
1 Action of nervs and nerv centers on secretion
.339 Peritoneum Omentum
1 Absorption in peritoneum
See also 612.387
.34 Pancreas Pancreatic juice
.341 Normal composition of pancreatic juice
1 Pancreatic fistulas
.342 Action of pancreatic juice on food Tryptic digestion
1 Starches and analogs
2 Sugars
3 Fats Steapsin or ptyalin
4 Albuminoids Trypsinogen Trypsin
5 Effect on other digestiv fenomena
51 On bile and gastric juice
See also 612.3226
.343 Pancreatic secretion
.344 Action of special substances on pancreatic secretion and juice
.345 Physiologic morfology
Relation between morfologic changes and stimulation
.346 Pathologic changes of pancreatic juice
.348 Action of nervous system on pancreas
.349 Pancreas as an internal gland Ilands of Langerhans
1 Pancreatic glycosuria
Physiologic fenomena only. See also 612.35216, 616.46621, and diseases 616.63, where most material belongs
.35 Liver
.351 Hepatic circulation and chemic composition
1 Chemic composition
11 Ferments
5 Hepatic circulation
51 Ligature of portal vein
6 Effect of extracts from hepatic tissue
61 Hepatic opotherapy

612.352 **Effect of liver on absorbd foods**
1 Glycogenesis Glycogen of liver and its tissues
See also 612.396112 Chemistry of glycogen
11 Determination of amount of sugar and glycogen: technic
12 Sugar of the blood See also 612.122
13 Action of nervs on glycogenic function Experimental diabetes
14 Fermentation of glycogen Glycogenolysis
16 Glycosuria (diabetes) in general
See also 612.3491, 612.46621 and pathology 616.63
17 Glycogen of other organs
18 Glycogen of muscles See also 612.74411
19 Relations between glycogenesis and alimentation
2 Fat Adipogenic function
.353 **Hepatic chemic fenomena**
1 Formation of urea See also 612.4612
.354 **Action of poisons on liver**
1 Toxic steatoses
2 Antitoxic action of liver
.355 **Temperature of liver** See also 612.563
.356 **Hematopoietic function of liver and effect on blood**
See also 612.119
.357 **Bile**
1 Normal composition of bile
11 Biliary fistulas
13 Coloring matter Bile pigments
Bilirubin, biliverdin For origin see 33 below
14 Mineral salts
15 Biliary acids and their salts
Glycocholic and taurocholic acids
2 Action of bile in the intestin
Final fate of bile
3 Bile secretion
31 Quantity
32 Origin of bile acids
33 " " " pigments
4 Action of chemic substances on bile secretion
See also therapeutics, 615.742 Cholagogs
5 Elimination of poisons by bile
6 Pathologic physiology of bile
For general works and medical aspect see 616.36
64 Biliary calculi
65 Obliteration of bile ducts Icterus Jaundis Cholemia
See also pathology, 616.36 Liver and bile ducts
66 Bile in disease
67 Toxic effects of bile
69 Abnormal biliary substances
7 Biliary excretion Physiology of ducts
71 Gall bladder
72 Absorption in biliary ducts
73 Contractility of ducts
8 Innervation of bile ducts
.358 **Action of nervous system on liver**
.359 **Ablation, regeneration, cicatrization and other morfologic fenomena**
1 Volume of liver
2 Fatty or starchy degeneration

612.36 Defecation Large intestin
Proctodeum and its appendages in invertebrates
.361 Chemic composition of excrements
.363 Cecal digestion Vermiform appendix
.364 Absorption in large intestin
.365 Defecation
.366 Rectum
.367 Movements of large intestin
.368 Innervation " " "
.38 Absorption
.381 Imbibition Transudations and exudations Edema
.382 Osmosis See also 612.0144621
1 Dialysis of mineral salts
2 " " sugars
4 " " albuminoids
.383 Diffusion
.384 Absorption by skin
See also 612.79
.385 Absorption by lungs
See also 612.2159
.386 Absorption in digestiv tract
General; see also specific part of tract
.387 Absorption by mucous and serous membranes
See also 612.3391
.388 Parenchymatous absorption
Absorption by cellular tissue (after injection)
.39 Nutrition Metabolism
.391 Hunger Thirst Inanition
3 Hunger, thirst and nervous centers Mechanical action of hunger
4 Inanition in man
6 " " disease
9 " " animals
92 Inanition in poikilothermic animals
96 " " homoiothermic "
.392 Foods
1 Assimilation of carbon
2 " " nitrogen
See also 612.46123
3 Assimilation of water
4 " of sulfur, fosforus and iron
3 Sulfur 4 Fosforus 5 Iron
5 Thermodynamic value of food
6 Mineral foods
1 Sodium salts 2 Potassium salts 3 Calcium salts
7 Vegetable foods
71 Vegetarianism See also hygiene, 613.26 Vegetable diet
While the strictest vegetarians confine themselvs to a purely vegetable diet, the majority use some forms of animal food, e. g. milk, butter and egs
72 Fruits and fresh vegetables
73 Cereals
74 Bred

612.3928 Animal food
See also hygiene, 613.28 Meats in diet
81 Meats
82 Soup Meat extracts
83 Egs
84 Milk
See also 612.664
841 Sterilization and artificial changes in milk
85 Cheese
86 Butter
9 Special artificial foods
.393 **Condiments and stimulants**
1 Alcohol as food Fermented drinks
See also hygiene of nervous system, 613.81 Alcohol
2 Coffee Tea
See also hygiene of beverages, 613.37
9 Condiments
.394 **Ration or food requirement during growth**
2 Of man Nourishment of newborn
3 " animals
.395 **Ration or food requirement of adults**
1 Working ration Normal ration
12 Working ration for man
13 " " " animals
2 Subsistence ration
22 Subsistence ration for man
23 " " " animals
5 Relations of ration to external conditions, e. g. climate
6 Food requirements in disease
.396 **Carbohydrates**
1 Chemic composition
11 Polysaccharids
111 Starch Inulin
112 Glycogen
113 Cellulose
12 Gums and analogs: dextrin
13 Monosaccharids: glucose, mannose, galactose, fructose, etc.
14 Disaccharids: sugar, lactose, maltose, etc.
17 Combined carbohydrates
See 612.3981453 Glycoproteids
172 Chitin
175 Glycosids: amygdalin, salicin, phlorizin, saponin, etc.
19 Other carbohydrates: pentose, inusitum
2 Changes of sugars in organism Glycolysis
21 Products of carbohydrates; e. g. glycuronic acid
22 Alcohol in tissues
3 Hydrolytic ferments of carbohydrates and analogs
31 Amylasis, inulasis, cytasis, etc.
32 Saccharoclastic ferments Inversion
4 Formation of carbohydrates in organism
5 Thermodynamic value of carbohydrates
7 Quantity of carbohydrates in foods and tissues

612.397 Fats
1 Chemic composition
2 Changes of fats in organism
21 Fatty degeneration and infiltration See also 612.3592
22 Products of fats
23 Acids
24 Glycerins
3 Lipolytic ferments
4 Formation of fats
5 Thermodynamic value
7 Quantity of fat in food and tissues Adiposity
8 Lipoids
81 Cholesterin
82 Lecithin
.398 Albuminoids and nitrogenous substances
1 Chemic composition
11 Composit albuminoids
For eg albumin see also 612.39283
12 Blood serum and other serous fluids of body
See also chemical properties of blood, 612.124 Albuminoids
13 Simple albuminoids
131 Albumin
132 Globulins: fibrinogenic and fibrinoplastic substances, myosin, etc.
133 Coagulated albuminoids Fibrin Coagulation of albuminoids
135 Albuminoids as acids or bases
136 Nucleoalbumins, simple phosphorated albuminoids
138 Protamins
139 Other albumins
14 Other albuminoids
145 Proteids
Albumin + a complex organic compound
1 Nucleoproteids
Albumin + nucleic acid, products of nucleic acid and specific ferments
2 Hemoglobin and analogs
Albumin + an iron compound. See also 612.11111
3 Glycoproteids
Albumin + a carbohydrate. See also 612.3967
146 Albuminoids: glutin, elastin, amyloid, etc.
15 Vegetable albuminoids
16 Albuminoid products and nitrogen compounds
17 Albuminoses and peptones
172 Thermodynamic value
175 Changes of substances derived from albuminoids by digestion
19 Products of complete change of albuminoids Nitrogen compounds
191 Protaminic nucleus See also 612.398138
192 Amidic acids
193 Urea Uric acid See also 612.4612, 612.46125, 612.398195
194 Ammonia and ammonia compounds
195 Bases (alkaloids), purin compounds
196 Aromatic compounds
197 Nonnitrogenous products of albuminoids
199 Other products
2 Changes of albuminoids in organism
3 Proteolytic ferments
Only general works See specific nitrogen compounds for their derivates, ferments and properties For milk curdling ferments see 612.3216 and 612.664171
5 Thermodynamic value of albumins and derivates
Albumin as food

612.3986 Formation of albuminoids in general
7 Quantity of albuminoids in food and tissues
8 Toxins, antitoxins Chemistry of poisons
For action, see 612.11821; for animal poisons, see 612.314; for ptomains, leucomains, etc. see 612.398195 above

.4 **Glandular system Secretion Excretion**
.401 Effect of circulation on glands
.402 " " glands " circulation and blood
.403 " " " " nutrition
.404 " " nutrition " glands
.405 Physics and chemistry of secretion
.407 Effect of glands on nervous system
.408 " " nervous system on glands
See also 612.817
.409 Physiologic morfology of secretions and glandular epitheliums
.41 Spleen
.411 Hematopoietic action Effect of spleen on blood
.412 Splenotomy Circulation in spleen
.413 Contractility of spleen
.414 Spleen in relation to other organs
1 Effect on digestion
.416 Function of spleen in disease, in experimental infections and in wounds
.418 Chemic fenomena
.42 Lymfatic system and lymf
For lymfocytes see 612.112
.421 Lymf Chemic composition
.422 Quantity and origin of lymf
.423 Lymfatic circulation
1 Thoracic duct
.424 Lymfatic harts
.425 Innervation of lymfatic system
.426 Lymfatic absorption
See also 612.33273
.427 Lymfatic fistulas
.428 Lymf glands
.43 Thymus
.44 Thyroid gland
.441 Chemic composition
.442 Parathyroid glands or accessory thyroids
.445 Thyroidectomy Destruction of thyroid
Including pathologic destruction
.448 Effects of thyroid extracts
.45 Suprarenal capsules
.451 Chemic composition
.455 Excision and destruction
.458 Effect of capsular extract

612.46 Kidneys Urin
.461 Chemic composition of urin
1 Reaction and physical properties
11 Reaction
12 Density
13 Temperature
17 Urinary technology
174 Staining reactions
175 Spectroscopic examinations
176 Polarimetric "
177 Histochemic "
178 Pathologic urinary technology
179 Densimetry and cryoscopy of urin
2 Urea and nitrogen compounds
21 Determination of quantity of urea Ureameters
22 Determination of total nitrogen
23 Excretion and metabolism of nitrogen
231 In relation to alimentation
232 " " " work
234 Effect of chemic substances (poisons)
235 Influence of temperature
236 " " disease
238 " " nervous system
239 " " animal kind
Variability of process in animal kingdom
25 Uric acid See also 612.398193
251 Determination of quantity
254 In animals
255 " normal man
256 " man in disease: uric diathesis
259 " other tissues and fluids than urin
26 Other nitrogen products of urin
261 Bases Xanthin bases See also 612.398195
262 Ptomains
263 Allantoin
264 Peptones See also 612.46668, 612.39817
266 Hippuric acid
267 Ammonium and other urates See also 612 398194
268 Ferments See also 612.32321
269 Physiologic albuminuria
27 Coloring matter Pigments: urobilin, urochrome
6 Salin substances in urin
61 Chlorin salts
62 Fosforus and its compounds
63 Sulfur and its compounds
64 Gases of urin
8 Nonnitrogenous organic constituents of normal urin
82 Sugars Physiologic glycosuria
.462 Urinary toxicity
1 Internal secretion of kidneys
.463 Urinary secretion
1 Quantity of urin
2 Elimination of urin
4 Renal circulation
5 Influence of blood and circulation
6 Comparativ secretion of the two kidneys
8 Effect of nervous system
81 Glycosuria, polyuria after lesion of medulla oblongata

612.464 **Action of poisons on urinary secretion and their elimination**

1 Diuretics Polyuria

See also 615.761 Diuretics in therapeutics

2 Toxic albuminurias

See also 612.46622

3 Elimination of poisons by urin

4 Toxic glycosuria Phlorizin

See also 612.46621

.465 **Physiologic morfology of kidneys**

.466 **Pathologic physiology of kidneys and urin**

1 Urinary calculi

2 Urin in disease

21 Urin in diabetes Chemistry of glycosuria For physiology of diabetes see 612.35216

22 Urin in albuminuria Albuminuria in general

See also 612.461269, 612.4642 and 616.634

23 Resection and lesion of kidneys, experimental and pathologic Ligature of ureter, etc.

231 Uremia See also 616.638

26 Urin in fever

6 Abnormal substances in urin

61 Acetonuria Acidosis

62 Chyluria

63 Other abnormal products of metabolism

631 Glycuronic acid See also 612.39621

64 Products of intestinal putrefaction Indican

67 Biliary pigments Choluria

68 Albuminoses and peptones

69 Hematuria and hemoglobinuria

7 Urinary fermentation Putrefaction of urin

.467 **Urinary discharge**

1 Physiology of bladder, ureters and urethra

11 Micturition

2 Absorption in urinary passages

3 Innervation of vesical apparatus

For prostate see 612.617 For action of nervous system on function of kidneys see 612.4638

.49 Other glands and secretions

.491 **Bone marrow**

.492 **Hypophysis or pituitary gland Somatic brain**

.493 Scent glands of animals

.494 **Bartholin's glands**

.495 **Carotid gland**

.499 **Other glands**

See also 612.664, 612.792

612.5 Animal heat
.51 Sources Thermogenesis Calorimetry
.511 Direct calorimetry
6 Calorimetry in disease
.512 Indirect calorimetry
1 Influence of alimentation
3 Effect of respiration
.52 Loss of heat Radiation Thermolysis
Conduction of animal tissues
.521 Cutaneous radiation
1 Physiology of clothing
.523 Loss by pulmonary evaporation
.524 " " cutaneous evaporation
.53 Regulation of temperature Heat balance Thermotaxis
.531 Influence of vasomotors
.532 " " muscular movement
See also 612.7453
.533 Effect of perspiration
.534 " " respiration Thermic polypnea
.535 Thermic centers
.54 Other conditions affecting temperature and thermogenesis
.541 Effect of baths
.543 " " inanition
See also 612.391
.544 Effect of poisons
.55 Variations in production and regulation of heat
.556 In disease: fevers
.56 Temperature of body
.563 Thermic topografy
.58 Hibernating animals
.59 Heat and cold; effect on organism
Subdivisable with o like 612; e. g. 612.59074 Effect on muscles
612.5908 " nervous system
See also 612.01443
.591 Effect of heat Deth from heat Thermic rigidity
.592 Effect of cold Deth from cold Rigidity from cold

612.6 Reproduction and generation Development

.601 Spontaneous generation
See origin and beginnings of life, 576.1

.602 Transplantation Animal grafting
May be divided by organs like 612

.603 Cicatrization Regeneration
May be divided by organs; e. g. 612.60344 Regeneration of thyroid
612.60384 " " eye

.604 Reproduction of lower organisms
Protozoa, etc.

1 Asexual: fission, division, gemmation or budding or sprouting

2 Sexual: conjugation or concrescence

5 Variations: alternation of generations or metagenesis, pedogenesis, parthenogenesis

.605 Morfogenesis in general Heredity
See 575 Evolution

1 Heredity

2 Variation, including artificial

3 Hybridization

4 Tumors
Only for physiologic aspect, for pathology see 616.992

.606 Proportion and determination of sexes
See also Biology, 577.8 Sexes in nature, sexuality

.607 Consanguinity Incest

.608 Hermafroditism

.609 Theory of evolution Natural selection, darwinism
See 575 Evolution

.61 Male functions of generation
For semen see 612.616

.612 Erection
Including also the function in general, in either or both sexes See also 612.188

.613 Copulation and fecundation

1 Artificial "

2 Parthenogenesis

21 Artificial parthenogenesis

.616 Testicles Orchitic fluid Sperm

1 Effects of castration Resection or injury, experimental or pathologic, of testicles or of sexual glands in general

2 Physiology of spermatozoa

3 Testicles as internal glands Interstitial cells

.617 Appendages of male organs: semeniferous ducts, seminal vesicles

.62 Female functions of generation Ovulation
See also 612.612 and 612.6161

.621 Physiology of ovaries
See also 612.6303

1 Ablation or injury of ovary, experimental or pathologic
See also 612.6161

.622 Physiology of ovum

.627 Physiology of uterus

1 Uterin circulation

8 Innervation of uterus

612.63 Impregnation Pregnancy Parturition
See also 612.612
01 Period of pregnancy
03 Ovary in pregnancy Corpus luteum
.64 Development of embryo
For embryology see 611.013; for abnormal development see 611.012 Teratology, 617.3 Deformities
.646 **Physiology of embryo**
.647 " " **fetus**
.648 " " **newborn**
649 **Appendages of embryo Amniotic fluid**
See also 611.0138 Fetal appendages (in embryology)
.65 Growth after birth
See also 612.64
.651 **Metamorfosis of lower animals Larvae**
.66 Period of full development
.661 **Puberty**
.662 **Menstruation**
.663 **Fecundity**
.664 **Lactation and milk**
Physiology of mammary glands
1 Physics and chemistry of milk
12 Sugars
13 Fats Butter
14 Albuminoids
16 Mineral substances
17 Lactic fermentation Milk ferments
171 Milk curdling ferments Coagulation of milk
18 Other constituents
181 Abnormal substances
19 Comparison of milk of various animals
191 Human milk
3 Lactic secretion
31 Quantity
32 Formation of sugars
33 " " fats
34 " " albuminoids
35 Colostrum
36 Effect of various agents on secretion
4 Action of poisons on milk secretion and their elimination
5 Physiologic morfology of milk
6 Pathologic changes in lactic secretion
7 Digestion of milk
8 Innervation of mammary glands
.67 Period of decline Deth
See also 577.7
.68 Longevity
See also 368.3 Life insurance; 519.5 Probabilities; 614.12 Deth rates

612.7 **Motor and vocal apparatus** **Skin**

.71 Protoplasm

See also 612.014 General physiology of cells and organisms

.72 Vibratil cilia

.73 Smooth muscle

Divided like 612.74

.74 Striped muscle

Muscle in general, including smooth muscle

.741 **Muscular contraction**

1 Myografy

12 Single contraction of muscle fiber **Jerk contraction**

13 Tetanic contraction

14 Tonic contraction

15 Influence of chemic substances on muscles

16 Myografy in disease

2 Change of volume of muscle

3 Muscle wave

4 Elasticity of muscle

Myotonometry Effect of weight **Tension**

6 Muscular irritability Influence of blood

61 Circulation in muscles

62 Effect of stimulation

63 " " electricity

7 Latent period

Time elapsing between moment of stimulation and response by an activ tissue

8 Muscle murmur

9 Physiologic morfology of muscles

Histologic phenomena of contraction

.742 **Muscles after deth** **Rigor mortis**

1 Chemic phenomena after deth: autolysis

.743 **Electric phenomena of muscles**

.744 **Chemistry of muscle**

1 Normal composition

11 Carbohydrates

See also 612.35218 Glycogen of muscles

14 Albuminoids

15 Other organic substances

16 Mineral substances

Including water Muscle salts

17 Gases

2 Chemic effects of muscular contraction

21 Fatigue

211 Ergografy Dynamometry Work in general

22 Consumption of oxygen and production of CO_2 in work

23 Function of carbohydrates

24 Relation of chemic changes to work Metabolism in relation to work

.745 **General effect on organism of muscular contraction or work**

See also 612.532

1 Dynamic effects

3 Thermic "

5 Relations between work and heat

612.746 Pathologic physiology of muscles
1 Contractures
4 Tremors Shuddering
5 Nutrition of muscles Atrofy Degeneration Regeneration
Including nerv influence See also 612.818
.75 Bones, joints and connectiv tissues
.751 Chemic composition of bone and connectiv tissue
See also 612.398146
1 Bone
2 Cartilage
3 Connectiv tissue
.752 Nutrition of bones
.753 Growth, cicatrization and regeneration of bone
.754 Periosteum Perichondrium
.755 Tendons
.76 Locomotion
Principles of animal mechanism; comparativ study of locomotion preferably clast in 591.47
.761 Chronofotografy: technic
.763 Special movements Combined movements
Physiology of violin playing, etc.
.766 Human locomotion
1 Physiology of exercise and work
2 Rest
.767 Animal locomotion Special organs of locomotion
Swimming bladder of fishes
.768 Flight
.769 Biologic adaptation of movement
.77 Electric and phosphorescent animals
Preferably clast 591.57
.771 Electric animals
.772 Phosphorescent animals
.78 Voice and speech
See also 784.9 Vocal hygiene; 808.5 Elocution; 534.7 Sound
.781 Sensibility of larynx
.782 Movements and innervation of larynx
1 Influence of spinal accessory nerv
See also 612.819923
2 Influence of pneumogastric
See also 612.819917
3 Laryngoscopy
4 Movements of glottis
5 Epiglottis
.783 Artificial larynx
.784 Singing Timbre, quality Voice register
.785 Larynx in deglutition and other laryngeal function
See also 612.312
.786 Organs of sound in lower animals
.788 Larynx of birds

612.789 Speech Language
1 Function of mouth and nose
2 " " lips and soft palate
3 Innervation of organs of speech Aphasia
See also 616.855
4 Vowels and consonants
5 Ventriloquism
See also 791.1 Ventriloquism as an amusement
.79 Skin
.79015 Chemic composition
.791 Absorption
See also 612.384
1 Penetration by solids
2 Absorption of fats
3 " " solutions
4 " " liquids
5 " " gases
.792 Cutaneous glands and secretion
1 Swet Chemic composition
12 Toxic action of swet
4 Action of chemic substances on swet secretion
4a Elimination of poisons by swet
5 Physiologic morfology of swet
6 Pathologic changes of swet
8 Action of nervous system on cutaneous exhalation
9 Other cutaneous secretions
.793 Cutaneous respiration
4 Effect of suspended transpiration; closing pores by liniments, etc.
5 Effect of chemic substances on skin
See also 612.7924
.794 Cutaneous sensibility
.795 Electric conductibility and resistance of skin
See also 612.014422
.796 Chromatophores and skin pigments
.798 Trofic nervs of skin
.799 Growth and physiology of nails and hair

612.8 Nervous system

.801 Theory of nervous system and innervation
- 1 Dynamogenesis and inhibition
- 2 Action of nervous system on chemic fenomena
- 3 Effect on morfogeny and evolution

See also 612.605

.81 Peripheral nervous system Nerv fibers

.811 Distinction between sensory and motor nervs
- 3 Ganglions of sensory nervs
- 4 Influence of sensibility on movement and of movement on sensibility

.812 Recurrent sensibility

.813 Electric fenomena of nervs and muscles

Muscle-nerv experiments as indicativ of nervous process
For muscle fenomena see 612.743
- 2 Negativ variations
- 3 Electrotonus

.814 Chemic and thermic fenomena of nervous stimulation

For stimulation of nerv centers see 612.8222

.815 Physiologic morfology of nervous stimulation
- 1 Sensory terminations
- 2 Motor "

.816 Irritability of nervs and muscles

Nerv-muscle or nerv-gland physiology
- 1 Action of electricity
- 2 Theories of nerv waves
- 3 Nervous conductibility
- 4 Effect of blood on nervs Anemia
- 5 Rapidity of nerv waves
- 6 Nerv fatigue
- 7 Action of chemic substances on nervous irritability

.817 Effect of nervs on muscles and glands
- 1 Chemic substances Curare poisons
- 2 Voluntary contraction
- 3 Tonicity Atrofy of muscles after cutting nervs, etc.

See also 612.7465

.818 Trofic nervs
- 5 Degeneration, regeneration and cicatrization

1 Degeneration 2 Regeneration 3 Cicatrisation

612.819 **Special nervs**

Whenever possible class according to function rather than according to a particular nerv, classing here only special nerv physiology

1 1st pair: olfactory

2 2d pair: optic

See also 612.843

3 3d pair: motoroculi or oculomoto

31 **Innervation of iris**

See also 612.8422

32 **Innervation of eyelids**

See also 612.847

33 **Innervation of eye muscles**

4 4th pair: trochlear or pathetic

5 5th " : trigeminal

52 **Sensory action**

53 **Trofic action**

6 6th pair: external oculomoto or abducent

7 7th " : facial

71 **Effect on facial muscles**

73 " " **respiration**

74 " " **hearing**

75 " " **deglutition and taste**

77 " " **salivation** **Chorda tympani**

See also 612.31387

78 **Pathology** **Facial paralysis**

8 8th pair: auditory

See also 612.8585

9 9th pair: glossopharyngeal

91 10th " : pneumogastric or vagus

911 **Effect on hart and circulation**

See also 612.1781

912 **Effect on respiration**

See also 612.287

913 **Effect on digestiv organs**

See also 612.328, 612.338, 612.348, 612.358, 612.368

915 **Effect on kidneys and other glands**

See also 612.4

917 **Effect on voice production**

See also 612.7822

918 **Section of vagus and pneumogastric**

92 11th pair: spinal accessory

921 **Anastomosis with vagus**

922 **Innervation of respiratory organs**

See also 612.28

923 **Innervation of vocal organs**

See also 612.7893

93 12th pair: hypoglossal

94 Spinal nervs in particular

941 **Phrenic nerv**

612.82 Nervous centers Brain

.821 **Physiologic psychology**

Usually better clast in 131 Mental physiology

1 Time of reaction to stimulation Psychometry

2 Attention Memory Association Imagination

3 Instinct Intelligence Emotions Sensibility

31 Comparativ psychology

311 Nonautomatic actions of animals Anticlisis

312 Automatic " " "

For physiologic aspect see 612.829

313 Instincts of animals Behavior See also 591.51

33 Emotions Sensibility

34 Inhibition of movement Will Habit Impulse

35 Associated movements

4 Action of poisons on intelligence

See also 613.8 Hygiene of nervous system

" " 615.9 Toxicology

41 Alkaloids

42 Nonalkaloid anesthetics

See also Therapeutics, 615.96 Cerebral poisons

44 Alcohol

See also Therapeutics, 615.964 Alcohol as cerebral poison

Pathology 616.861 Alcoholism

5 Effect of disease on intelligence

6 Psychic reflexes

7 Sleep Hypnotism

See also 135 Sleep, Dreams

71 Hypnotism See also 134 Hypnotism

73 Theories of sleep

74 Cerebral circulation in sleep

75 Chemic fenomena of organism in sleep

76 Dreams

8 Sense in general and theories of perception

88 Psychophysical laws

89 Sensory delusions

For optic illusions see also 612.84374

822 **Nerv cells and nerv centers**

1 Chemistry of nervous tissue

Metabolism in nervs

2 Chemic fenomena of nervous excitation

For stimulation of nerv fibers see 612.814

3 Electromotiv fenomena of nervous excitation

4 Thermic " " " "

5 Physiologic morfology " " "

53 Effects of fatigue

54 " " poisons

56 Degeneration and regeneration of centers

6 Effects of removal and experimental, pathologic or teratologic lesion of nerv centers

61 Movement in a circle (motus circularis, manège)

7 Decapitation

8 Action of central nervous system on chemic fenomena of organism

See also 612.01538, 612.8012

81 Effect of chemic changes on centers

612.823 **Weight and general morfology of brain**
5 Conduction in centers
.824 **Cerebral circulation**
1 Neurolymf, neurolymfa or cerebrospinal fluid
Meninges Choroid plexus
2 Brain movements
3 Cerebral vasomotors
4 " anemia
5 Pressure on nerv centers
53 **Compression and concussion of brain Abnormal pressure**
6 Temperature of blood in nerv centers
Effect of abnormal pressure
.825 **Cerebral convolutions (cortex)**
1 Cortical excitability
2 Psychomotiv centers Localizations
23 **Inhibitory actions**
See also 612.8338
24 **Localization in man**
249 Speech Aphasia
See also 612.7893
25 Localization in animals
26 **Topografy of localizations**
261 Frontal lobe
262 Occipital "
263 Parietal "
264 Temporal "
265 Central "
266 Olfactory "
3 Cortical epilepsy
See also 616.853
5 Sensory functions of convolutions
Convolutions as seat of senses
54 **Sight**
55 **Hearing**
56 **Smell**
57 **Taste**
58 **Muscular sense**
See also 612.885
59 **Touch**
See also 612.88
8 Intellectual functions
Only for physiology of these functions
.826 **Cerebral ganglions, commissures, etc.**
1 Optostriate body and callosum
Or optic thalami, striatum and callosum
2 Conduction in the brain
See also 612.8235
3 Crura or cerebral peduncles Epiphysis **Infundibulum**
5 Quadrigeminum Optic lobes
7 Cerebellar peduncles or prepeduncles
8 Pons

612.827 Cerebellum
.828 Medulla oblongata or postoblongata
.829 Special physiology of central nervous system of invertebrates
See also 612.8226
1 Regulating effect of ganglia Circular movements (manège)
2 Chain of ganglions Network of nervs, or rete nervosum
3 Reflex movement
Locomotion in respect to physiology of nervous system
31 Reflexes proper
32 Rhythm Refractory period
33 Tonicity Tonic reflex
34 Coordination
.83 Spinal cord or myel
.831 Conduction in the cord
See also 612.8235
.832 Excitability of cord
.833 Reflex action
Subdivide like 612; e. g. 612.83317 Cardiac reflexes
612.833627 Uterin "
612.83376 Limb reflexes; knee jerk
8 Action of superior nerv centers on reflexes
9 Other phenomena of reflex action
91 Rapidity of reflexes
92 Pathology
93 Effect of anemia
94 Action of poisons on reflexes
95 Rhythm in general
951 Refractory period
96 Coordination
97 Other fenomena
e. g. reflexes according to nature of impulse: fatigue, etc.
.834 Cord as center of innervation
.835 Degeneration and regeneration of cord Atrofies
.84 Physiologic optics Sight
.841 Fibrous tunics of eye
1 Cornea Conjunctiva Anterior chamber
5 Sclera
.842 Vascular tunics Iris Choroid Ciliary body
1 Iris accommodation Pupillary reflex
See also 612.844 for general papers on accommodation
11 Pupillometers
2 Action of nervs and nerv centers on pupil
3 Effects of light
4 Action of chemic substances on iris Atropin See 615.784
5 Choroid Eye pigments
6 Ocular circulation Intraocular pressure
61 Ofthalmometers

612.843 Optic nerv Retina
See also 612.8192 2d pair of cranial nervs; optic
1 Physiologic morfology Retinal purple
12 Ofthalmoscope
13 Retinal circulation
14 " purple
15 Physiologic morfology of retina
Blind spot, yellow spot
2 Irradiation Simultaneous induction
3 Color sense Chromatic sensibility
301 Theory
6 Miscellaneous theories of color sensation
63 3-color theory (Young-Helmholtz)
64 4-color theories
642 Color-contrast theory (Hering)
643 Gradation theory (Wundt)
644 Genetic theory (Ladd-Franklin)
647 Zone theories
2 Duplex or duplicity theory (von Kries)
3 Theory of indirect values (Müller)
31 Color sight
Power to distinguish colors
For color blindness see 612.8455; 617.75
32 Sensitivness to color Color preferences
For pathology of chromatic sensibility see 612.8455
34 Mixture of colors
35 Contrast " "
3501 Theory
16 Miscellaneous theories of color contrast
161 Psychologic theory
Deception of judgment (Helmholtz)
166 Physiologic theory (Hering)
352 Simultaneous contrast
353 Successiv "
4 Entoptic fenomena
Purkinje's figures or images, Sanson's images
5 Persistence of retinal impressions
52 After images or after sensations Successiv images
522 Positiv
523 Negativ or complementary
6 Field of vision Visual acuteness and sensibility
61 Photometry
Photometric teknic
62 Field of vision
622 Direct vision
623 Indirect vision Perimetry
63 Visual acuteness and sensibility
632 Retinal adaptation and fatigue
633 Twilight vision Purkinje fenomenon Purkinje spectrum
Sensibility to contrast
7 Conduction in the brain Perception
71 Histology of fibrillae Center of sight
72 Optic perceptions Localization of image in space
721 Binocular and monocular perception
722 Stereoscopy Binocular fusion and rivalry Pseudoscopic vision

612.843723 Perception of distance, size and form
Perception of differences in hight of surface. For movement see 612.8462
01 Theory
016 Miscellaneous theorics of visual distance
3 Theory of identical points
4 " " projection
5 " " distance as an optic sensation
2 Kinesthetic eye sensations
22 Accommodation strains
23 Convergence "
3 Parallax
32 Binocular parallax
33 Parallax due to hed movements
4 Associativ aids
41 Apparent size
42 " brightness
43 " rapidity of movement
44 Linear perspectiv
45 Haze and other atmosferic effects
46 Lights and shadows
47 Relations among objects in field of vision
48 Cooperation of other senses
49 Other
73 Impression of color suggested by sound, auditus coloratus
74 Optic illusions
741 Primary illusions
2 Illusions of movement
3 Proofreaders illusion
4 Double images
5 Geometric illusions
Of distance, size, direction, form etc
501 Theories of geometric illusions
6 Miscellaneous theories
63 Eye-movement theory
64 Perspectiv "
65 Dynamic "
67 Association or confusion theory
52 Reversible perspectiv
53 Illusions of extent
Müller-Lyer illusion, etc
54 Illusions of direction and angles; confluxion and contrast
Poggendorf, Zöllner, twisted cord, etc illusions
55 Illusions of form
56 " " area
Apparent size of planets at horizon, etc
742 Secondary illusions
743 Mixt illusions
75 Observations on those born blind
78 Degenerations of optic nerv and fibrillae
.844 Refractory apparatus Ocular refraction Dioptrics
See also 612.8421 Iris accommodation
1 Crystallin lens
4 Aqueous humor
7 Vitreous "

612.845 **Functional disorders or pathology of sight**
Blindness etc. See also 617.75 Disorders of vision from medical viewpoint
1 Myopia
2 Hypermetropia
3 Astigmatism
4 Presbyopia
5 Daltonism Color blindness
See also 612.84331 Color sight, 617.75 Disorders of vision
6 Hemeralopia
.846 **Movements of eye**
2 Binocular vision Convergence
For perception see 612.843721
3 Action of 3d cranial or oculomoto nerv
4 " " 4th " " trochlear "
6 " " 6th " " abducent "
8 Strabismus Diplopia
.847 **Palpebral and lacrimal apparatus**
.848 **Tests of visual perception**
.85 Hearing
.8501 Theory
12 Clasification of sounds
122 Tones 123 Vocables 124 Noises
16 Miscellaneous theories of hearing
161 Psychologic theories
166 Physiologic "
1 Resonance or simpathetic vibration theory (Helmholtz)
2 Telefone theory (Rutherford, Lipps)
3 Standing wave theory (Ewald, Lehmann)
4 Advancing wave theory (Hurst)
5 Propeld " " (ter Kuile)
6 Displacement " (Meyer)
.851 **External ear: functions**
.854 **Middle ear**
.855 Tympanic membrane or drumhed Tympanum
.856 Eustachian tube
.857 Bones
.858 **Internal ear**
1 Conduction of sound in internal ear
2 Utricle Saccule
3 Semicircular canals
See also 612.8863 and 616.841 Vertigo
4 Cochlea Corti's organ or fibers Spiral organ Basilar membrane
5 Acoustic nerv
6 Endolymf Perilymf
7 Acoustic perception Conduction of acoustic excitation in the brain
71 **Auditory acuteness**
712 Tonal gaps and ilands
72 **Auditory center in brain**
See also 612.82555

612.85873 **Subjectiv sensations**
74 **Musical physiology and psychology**
Distinction of tones and quality or tone color (timbre)
742 Tonal caracteristics
2 Pitch
3 Loudness, strength or volume
4 Caracter, quality, timbre, tonc color or brightness
Clang-tint
743 Analisis of tones
2 Simple tones
3 Compound tones or natural harmonics Clang
32 Overtones
33 Partial tones
4 Combination or Tartini's tones
41 1st order
412 Difference or differential tone
413 Summational tone
42 Higher orders
744 Consonance and dissonance: intervals
1 Theories of consonance and dissonance
12 Theory of beats (Helmholtz)
13 " " tonal fusion (Stumpf)
14 Genetic theory (Moore)
745 Melody and rithm
746 Sensitivness to tone Tone preferences
75 **Binaural and monaural hearing**
751 Localization of sound in space Estimation and effect of distance
2 Interaural differences of sound intensity
3 Complexity of pitches
4 Movements of hed
76 **Sensibility of living beings to sound and vibrations**
Otocysts
77 **Pathology Defness etc**
See also 617.8 Diseases of ear
78 **Tests of auditory perception**
8 Auditory reflexes
.86 Smel
See also 612.82556 Seat of smel
.861 **Organs of smel**
.867 **Perceptions Conduction in brain**
1 Olfactory acuteness
2 " center in brain
3 Subjectiv odor sensations
4 Fusion of odors
7 Pathology
8 Tests of olfactory perception
.87 Taste
.875 **Function of lingual nerv**
See also 612.8195
.877 **Function of chorda tympani**
See also 612.81977
.879 **Function of glossopharvngeal nerv**
See also 612.8199

612.88 Touch Tactil sense Equilibrium

.881 Notion of space

.882 Sense of temperature

.883 Sense of pressure

Including all related phenomena; e. g. tickling

1 Esthesiometers

.884 Sensibility to pain

.885 Muscular sense Power sense

.886 Sense of equilibrium

1 Sense of direction and orientation

2 Seasickness

3 Vertigo

See also 612.8583

9 Function of special organs

Function of lateral line of fishes and other special organs of lower animals

.887 Anesthesia, hyperesthesia, synesthesia

.89 Sympathetic nervous system

.8903 Trofic action

.8905 Reflex fenomena

.891 Cervical ganglions and plexus

.892 Thoracic " " "

.893 Abdominal " " "

.896 Action on eyes; iris

See also 612.8422

.897 Action on hart

See also 612.1782

.898 Action on digestiv tract; alimentary canal

See also 612.3 and special subdivisions

.899 Effect on blood vessels

See also 612.18

613 General and Personal Hygiene

Care of Health; Prophylaxis; Individual Health; Laws of Health.
.02, Compends; .03, Dictionaries. Cyclopedias: .04, Essays: .05, Periodicals; .06, Societies; .07, Study and Teaching; .078, Sanitary Appliances; .08, Collections; .09, History, Description, Reports, etc., divided like 930–999.

.1 **Air and Light.**

For Air Analysis, see 543.7; Air Pollution, 614.7; Ventilation, 628.8.

.11 Climate. Acclimation. See 551.5, Meteorology; 615.834, Therapeutics; 614.42, Geographic distribution of disease.

.12 Health Resorts. Mountain. Sea-shore.
Regions exempt from special diseases.

.13 Seasons. Time of Day.

.14 Malaria. Moisture. Ground Air. See Public Health, 614.775, 614.773 and 614.772.

.15 Purification of Air.

.16 Special Influences. Ozone, Electricity, etc.

.17 Quantity of Air Necessary.

.18 Temperature. See also 536.5, Heat; 551.52, Meteorology.

.19 Sunlight.

.2 **Food. Dietetics.**

For Food Analysis, see 543.1; Adulterations, 614.31; Digestion and Nutrition, 612.3.

.21 Dietaries.
Including food for special classes of people; literary men, soldiers, etc.

.22 Food for Infants.

.23 Food for the Sick.
Including means for giving nutrition, baths, enemata, forced alimentation, etc.

.24 Fasting. Famine. Starvation.

.25 Excess of Food.

.26 Vegetable Food.

.27 Fruits.

.28 Animal Food. Meats.

.29 Fish, Oysters, etc.

.3 **Beverages.**

For alcoholic beverages, see 613.81 and 178, Temperance Ethics; Inspection of beverages, 614.34.

.31 Water as a Beverage.

.32 Impurities in Water and Ice. See also 628.16 Water supply of towns.

.33 Microscopic Analysis. For Chemical Analysis, see 543.3.

.34 Biologic Analysis.

.35 Purification. Filtration, Boiling, Chemical, etc. See also 628.16, Water Supply.

.36 Cold Drinks.

.37 Hot Drinks. Tea, Coffee, etc. See also 614.347, Adulterations.

.38 Mineral Waters, Carbonated Waters, etc. See also 614.348, Adulterations; 615.79, Therapeutics

.39 Other Beverages.

613.4 Cleanliness of Body. Clothing.

See also 646, Clothing, Toilet, etc.; 391, Customs, Care of Person, Bathing, Toilet. For Therapeutic baths, electric, sulphur, etc., see 615.67.

.41 Baths.

.42 Warm.

.43 Cold. For Swimming, see 797.2.

.44 Douche or Shower.

.45 Sea. Salt.

.46 Hot Air. Turkish. Russian. Roman, etc.

.47 Public.

.48 Clothing.

1. Material, wool, cotton, etc.
2. Quantity.
3. Cleanliness.
4. Pressure. Corsets, garters, tight boots, support from hips, etc.

.49 Care of special parts of body.

.5 Human Habitation and Resort.

For Heating, see 697; Ventilation, 628.8; House drainage, 628.6; Sanitation o towns, 628.4; Industrial sanitation, 628.5.

These subjects, partly Public and partly Private Hygiene, ar for convenienc groupt together here.

.51 Homes.

.52 Hotels.

.53 Tenements.

.54 Schools. Colleges. See School hygiene, 371.7.

.55 Churches, Theaters, Halls, etc.

.56 Hospitals. Asylums.

.57 Prisons. Reformatories.

.58

.59 House Furnishing.

1. Bed and Bedding.
2. Curtains. Tapestries.
3. Carpets. Rugs. Floors.
4. Wall Paper.
9. House Cleaning.

.6 Hygiene of Employment.

For Labor of children, see 331.3; Mining dangers and accidents, 622.8; see also Laboring classes, 331.8; Industrial sanitation, 628.5; Nuisances, 614.7.

.61 Over-hours. Over-work.

Occupations made Injurious.

.62 By Inhalation of Vapors and Gases.

Bleachers, match-makers, lard refiners, etc.

.63 By Inhalation of Dust or by Absorption.

Grinders, stone-cutters, millers, wool operativs, hair pickers, type founders, grocers, etc.

.64 By Elevated, Low, or Variable Temperature.

Bakers, forgemen, mariners, fishermen, farmers, laborers, etc.

65 By Over-use of certain Organs. By Constrained Attitude and Sedentary Life.

Engravers, public speakers, copyists, printers, salesmen, clerks, literary men, etc. See also Mental hygiene, 131.3

.66 By Accidents. See Public health, 614.8, Protection from accidents.

Machinists, quarrymen, caisson-workers, manufacturers of explosivs, etc.

.67 Military Hygiene. Barracks, Camp and Tent Life.

.68 Naval Hygiene. Ship Life.

.69 Hygiene of Travel and Exploration.

613.7 Hygiene of Recreation and Sleep.

.71 Gymnastics. See also 371.73, School Hygiene, Care of Body
For Curativ gymnastics, see 615.82, Massage.

.72 Athletics and other Muscular Exercise.
See also 796, Out-door sports.

.73 Training and Overstrain. See also 371.75, Championship games.

.74 Amusement or Play.
See also 796, Out-door sports, and 371.74, Recreations.

.75 Parks.
Some subjects more properly placed in Public Health, ar groupt here by attraction.

.76 Vacations. See also 371.23, School Vacations.

.77 Holidays. See also 371.23, School Holidays.

.78

.79 Rest and Sleep. Late Hours. See 613.86, Insomnia.

.8 Hygiene of Nervous System.
Including the action of Stimulants and Narcotics. See also 615.78, Drugs acting on Nervous System; 615.95, Neurotic Poisons.
For Mental overwork, see 131.336 Mental hygiene. See also 178 Temperance

.81 Alcohol. See also Temperance, 178; Beverages, 613.3; Inspection of Bever ages, 614.34.

.82 Opium and Hashish. See also 178.8.

.83 Chloral and Caffeine. See also 178.8.

.84 Tobacco. See also 178.7.

.85 Other Narcotics.

.86 Insomnia. See also 613.79, Rest and Sleep.

.87 Morbid Habits. Bad Social Customs. See also Social Ethics, 177; Late Hours, 613.79.

.88 Luxury. Privation.
See also Fasting; Famine; Starvation, 613.24

.89 Celibacy. Monogamy. Polygamy.
See also Polygamy and Monogamy, 173.2; Sexual Ethics, 176; Celibacy of Clergy, 253; Asceticism, 248.

.9 Hygiene of Offspring. Heredity.
See also Heredity, 575.1.

.91 Congenital Defects of Body.
See also Monstrosities, 573.9; and Orthopædic Surgery, 617.3.

.92 Inherited Mental Disability.
See also 131 Mental physiology and hygiene, 132 Mental derangements, 136.3 Mental heredity

.93 Transmitted Disease.
See also special diseases in 616.

.94 Stirpiculture. Eugenics.

614 Public helth

Public hygiene Public sanitation State medicin Preventiv medicin
See also 628, Sanitary engineering; 352.4 Boards of helth
.02 Compends .03 Dictionaries, cyclopedias .04 Essays .05 Periodicals .06 Societies, conventions .07 Education .078 Sanitary appliances .08 Collections .09 History, description, legislation, reports, etc. Divided like 930–999, e. g. 614.0942 Public helth in England

.1 **Registration and vital statistics** See also 312 Population

.11 Births and birth rates Divided like 930–999

.12 Deths and deth rates
Divided geograficly like 930–999, e. g. Deth rate in England, 614.1242

.13 Mortality at different ages
For life insurance, life tables, biometry, etc. see Life insurance, 368.3 and Life contingencies, 519.5; Longevity, 612.68

.131 Stillbirths

.132 Infant mortality

.133 Mortality in childhood

.134 " " adult life

.135 " " old age

.14 Mortality of sexes, races, etc.

.141 " " the sexes

.142

.143

.144 " " races: colored, white, Indian, etc.

.145 " " city and country

.146 " " different occupations See also 613.6

.147 " from special diseases Causes of deth

.15 Morbidity

.16

.17 Marriage

.18 Divorce See also 173.1 Family ethics

.2 **State control of medicin**

.21 Medical education and degrees See 610.7; 378.2 Academic degrees

.22 Anatomy and vivisection laws See 179.4 Ethics

.23 Expert testimony and other medico-legal relations
See 340.6 Medical jurisprudence

.24 Registration of physicians, dentists, pharmacists, etc. License to practis

.25 Regulation of medical practis
See 174.2 Professional ethics, physicians

.26 Quackery and malpractis

.27 Nostrums and patent medicins See also 614.353 Adulterations

.28 Sale of poisons See 615.9 Toxicology

.29 Medical police

614.3 Adulterations: inspection of articles liable to affect public helth Pure food laws
Public analysts State laboratories For chemic analysis see 543
.31 Inspection of food For chemic analysis see 543.1; Hygiene 613.2
.311 Sugars Sirups Confectionery
.312 Cereals Starches Bred
.313 Lards Fats Oils See 614.325-6 Butter, oleomargarin
.314 Spices Condiments
.315 Yeast Baking powders Cream of tartar
.316 Fresh food Vegetables, fruits
.317 Meats Fish (fresh)
.318 Cand or preservd food Vegetables, fruits
.319 Meat Fish Oysters (preservd)
.32 Milk and milk products
.321 Milk analysis See also chemistry, 543.2; dairy, 637.1277
.322 Milk of known purity
.323 Milk sold to consumer
.324 Cream Skimd milk Condenst milk Buttermilk Kumis
.325 Butter and its imitations
.326 Oleomargarin
.327 Cheese and its imitations
.33 Other articles of food
.34 Inspection of beverages
For chemic analysis see 543.1; hygiene, 613.3
.341 Fermented
.342 Wine
.343 Brewd
.344 Beer
.345 Distild
.346 Fruit drinks: lemonade, shrub, etc.
.347 Tea Coffee Chocolate Coco See also 613.37, Hygiene
.348 Mineral waters Soda water
See also 613.38, Hygiene; 615.79 Therapeutics
.349 Mixt drinks
.35 Inspection of drugs For chemic analysis see 543.4
.351 Officinal or pharmacopeial drugs
.352 Nonofficinal drugs
.353 Empiric or patent medicins See also 614.27 State control
.354 Cosmetics
.355 Poisonous cosmetics
.36 Inspection of tobacco
.37 Inspection of pigments, wall and other papers, textil fabrics, toys, etc.
.4 Contagious and infectious diseases: general
.41 Causes and origin
See 589.95 Bacteria, microbes; 616.01 Germ theory of disease
.42 Geografic distribution Climatology
Divided like 930-999
.43 Modes of propagation and communication

614.44 Prevention and restriction See also Ambulances, 614.888
.45 Isolation, lazarettos, etc.
.46 Quarantine, etc.
.461 Maritime and aeronautic quarantine
.462 Inland quarantine
.463 Control of rags, etc.
.47 Protectiv inoculation
.471 Against smallpox See also 616.912, Pathology
.472 Variolation
.473 Vaccination
1 Bovine vaccination
2 Humanized vaccination
3 Vaccinal syphilis
4 Revaccination
5 Vaccinisation
6 Revaccinisation
7 Retrovaccination
8 Compulsory vaccination
9 Optional vaccination
.474 Antivaccination
.475 Against cholera See also 616.932, Pathology
.476 " yellow fever See also 616.928 Pathology
.477 " hydrophobia Pasteurism
See also 616.953 Pathology
.478 Against other diseases
Divided like 616
.48 Disinfection
Houses, clothing, rags, workshops, cars, ships, camps, air, soil, persons, sewers, vaults, excreta. Ded, see 614.64 Embalming, etc.
.481 Fumigating and other apparatus
1 Stationary
2 Portable
.482 Disinfectants Antiseptics Deodorizers
Treated with reference to public helth. See also Materia medica 615.777 and 615.778
.483 Heat
.484 Chemic disinfectants
.485 Carbolic
.486 Salicylic
.487 Chlorids
.488 Copperas
.49 Epidemics Plagues
Divided like 930-999
.5 Contagious and infectious diseases: special
These heds are for public helth discussions only. For treatment, etc. see Pathology, 616
.51 Filth diseases
.511 Typhoid or enteric fever
.512 Diftheria
.513 Diarrheal diseases
.514 Cholera
.515 Cholera-infantum
.516 Dysenter
.517 Diarrhea

614.52 Exanthemata
.521 Smallpox
.522 Scarlet fever
.523 Measles
.524 Rötheln, rubella, rubeola
.525 Chickenpox
.526 Typhus
.53 Malarial fevers
.531 Intermittent fever
.532 Remittent fever
.54 Other contagious and infectious diseases
.541 Yellow fever
.542 Phthisis Tuberculosis
.543 Whooping cough
.544 Mumps
.545 Puerperal fever See also 618.72
.546 Leprosy
.547 Syphilis
.548 Gonorrhea
.55 Parasitic diseases
See also 616.96 Pathology
.56 Diseases communicated from lower animals
.561 Anthrax Charbon
.562 Trichiniasis
.563 Hydrophobia
.564 Glanders
.6 Disposal of the ded
See customs, 393 Treatment of the ded
.61 Burial
.611 Earth burial
.612 Tomb burial
.613 Burials in churches Intramural
.614 Use of coffins
.62 Cremation Crematories
.63 Transportation of the ded
.64 Embalming and disinfection of the ded Use of ice
See 614.48 Disinfection; 615.777 Disinfectants
.65 Effect of cemeteries on helth
.651 By water pollution
.652 " air "
.68 Morgues

614.7 Hygiene of the air and ground Nuisances

See 613.1 Air (Hygiene); 613.6 Hygiene of employment; 628.5 Industrial sanitation

.71 Air pollution by dust and smoke [works

.72 Air pollution by noxious gases, mineral trades, chemic

.721 Carbon compounds

.722 Carbonic oxid, carbonic acid, carburetted hydrogen

.723 Illuminating gases Gas works

.724 Mineral oil refining

.725 Sulfur compounds

.726 Chlorin "

.727 Nitrogen "

.728 Phosphorus "

.729 Other

.73 Air pollution by vegetable trades

.731 Brewing

.732 Distilling

.733 Vinegar making

.734 Sugar refining

.735 Charcoal burning

.736 Varnish making

.74 Air pollution by animal trades

.741 Slaughter houses Abattoirs Fish

.742 Rendering works Boneboiling Tripe and gut cleaning

.743 Pork packing Lard refining

.744 Soap making

.745 Tanning

.746 Glue making

.747 Lampblack

.748 Commercial fertilizers

.75 Storage and handling of noxious and offensiv materials

.76 Other air pollutions See 628 Sanitary engineering

.761 Stables Stable manure

.762 Hog stys

.763 Offal Ded and diseased animals and fish

.764 Vaults Cesspools Water closets, privies, urinals, night soil

.765 Sewers and sewer outlets Sewer gas

.77 Conditions of soil as affecting helth

Topografy Sanitary Surveys

.771 Analysis of soils See 543.7 Chemistry

.772 Soil moisture

Hygiene of natural water courses and of marshes. See 613.14 Hygiene

773 Ground atmosphere See 613.14 Hygiene

.774 Solid constituents of soil

.775 Malarious soils See 613.14 Hygiene

.776 Recovery of soils from pollution

614.78 Air and ground in towns
.781 Laying out of towns and streets
.782 Subways and elevated ways See 628.47 Sanitation of towns
.783 Parks Air spaces
.784 Hight of bildings and proportion of occupiable area
See 614.85 Bilding laws

.8 Protection of human life from accidents, casualties, etc.
Safety appliances
See 613.66 Hygiene of employment

.81 Drowning
.811 Rescue of the drowning
.812 Resuscitation of the drownd First help Pulmotors
.82 Suffocation
By gases, in vaults, mines, etc.; see also 622.8 Mining dangers. By illuminating gases
.83 Explosions Machinery inspection
.831 Manufacture, storage and transport of explosivs and combustibles
See also 662 Chemic technology
.832 Gunpowder
.833 Dynamite, etc.
.834 Inspection of kerosene, etc.
.835 " of illuminating gas
.836 " of electric apparatus
.837 " of steam boilers
.838 " of machinery
.84 Fires
.841 Fire prevention
.842 " detection
.843 " extinction See 352.3 Fire department
.844 Automatic
.845 Chemic extinguishers
.846 Fire engins Water towers See 621.68 Pumping engins
.847 Fire escapes and other apparatus
.848 " exits, etc from public bildings
.85 Industrial safety Bilding laws and inspection
See 614.784 Hight of bildings
.86 Protection of travelers
.861 Travel on land
.862 " " highways
.863 " " railroads
.864 " " water
.865 Lighthouses, buoys, etc.
.866 Pilots
.867 Boats, life preservers, etc.
.868 Rescue of shipwreckt Lifesaving servis
.87 Accidents under other special conditions
Exposure to cold, Hospice of St. Bernard, ski safety, etc.
.88 Aid to injured
.881 Ambulance
.882 Ambulance for contagious diseases See also 614.44
.883 Bed wagon

614.9 **Hygiene of animals Veterinary sanitation**

.91 Infectious diseases of domestic animals

.92 Parasites of animals See 591.69 Economic zoology

.93 Animal diseases communicable to man See also 614.[illegible]6

.94 Care and housing of animals

.95 Feeding of animals

.96 Transportation of animals

.97 Methods of slaughtering

.971 Painless extinction of animal life

615 Materia medica and therapeutics

.02 Compends .05 Pharmaceutic journals .06 Pharmaceutic societies
.07 Education, schools of pharmacy .09 History

.1 **Materia medica Drugs Pharmacology**

For examining boards, laws, etc. see 614.24 Registration of pharmacists. See also 614.35 Adulteration of drugs; 543.4 Chemic analysis

.11 Pharmacopœias

.12 Dispensatories

.13 Formularies

.14 Prescription writing Posology

.2 **Inorganic and synthetic drugs**

Include here synthetic drugs clast according to most important inorganic elements

Divided like 546., e.g. 615.218 Phosphorus; 615.258 Mercury; 615.272 Iron. See also note to 615.7

.3 **Organic drugs**

See also note to 615.7

.31 Carbon compounds Divided chemicly like 547

.32 Vegetable products Divided botanicly like 580

.33 Organic products Divided by caracter

1 Starches 2 Sugar 3 Glucosids 4 Tannins 5 Gums 6 Drug containing alkaloids 7 Bitters 8 Organic acids

.34 Fixt oils and acids

.35 Ferments: diastase, pepsin, etc.

.36 Organotherapy

.37 Serotherapy Immunology

Opsonic theory; see also physiology, 612.118223
Vaccine therapy; see also public helth, 614.473 Vaccination

.39 Animal products Divided zoologically like 590

.4 **Practical pharmacy**

.5 Therapeutics Action of medicins in general

.51 Certainty of medicins

.52 Antagonism of medicins

.53 Law of similars Homeopathy

Homeopathic works ar clast with the subjects treated. This hed is for Hahnemann's theory only

.54 Influence of age

Infant therapeutics Therapeutics of old age

.55 Influence of sex

.56 Influence of environment

.57 Influence of idiosyncrasy

615.6 **Administration of medicins**

.61 By stomach

.62 " rectum

.63 " subcutaneous tissue Hypodermic medication

.64 " lungs Inhalation See also 612.385 Absorption

.65 " veins Transfusion of blood

.66 " serous and mucous membranes Peritoneum, vagina, etc.
See also 612.387 Absorption

.67 " skin Baths
See also physiology 612.384

.7 **Medicins groupt by effects**

Treatises on specific drugs, digitalis, ergot, etc. ar clast in the divisio[illegible] of mate[illegible] medica, 615.2–.3: e.g. iron, 615.272: digitalis, 615.32381. But discussions o[illegible] drug in relation to a specific type of effect may be clast with that effect: e.g. [illegible]talis as a circulatory stimulant 615.711

.71 Drugs acting on circulatory system

.711 Stimulants
Alcohol, ammonia, digitalis, coffee, ergot

.716 Depressants
Aconite, veratrum group, nitrites

.72 Drugs acting on respiratory system

.721 Expectorants

.726 Errhines Sneezing

.73 Drugs acting on digestiv system

.731 Emetics
Ipecac, mustard, metallic salts, apomorphin

.732 Cathartics
1 Laxativs 2 Salines 3 Purgativs 4 Hydragogs 5 Drastics 6 Mercurials

.733 Anthelmintics

.734 Aids to digestion
1 Bitters, tonics 2 Ferments, pepsin, pancreatin, etc. 3 Acids antacids

.735 Demulcents, emollients, etc.
Bismuth, oxalate of cerium, etc.

.74 Drugs acting on glandular system

.741 Sialagogs (Saliva)

.742 Cholagogs (Bile)

.743 Diaphoretics (Perspiration)
Pilocarpin, heat, exercize

.75 Antipyretics Antiperiodics
Quinin, salicylates, coal-tar products, kairin, antipyrin, antifebrin, cold, baths. See also 613.41 Baths

.76 Drugs acting on genito-urinary system

.761 Diuretics
Water, citrates, acetates, digitalis, caffein, copaiba

.766 Uterins Oxytocics
Viburnum, ergot, etc.

615.77 External agencies
.771 Irritating
.772 **Astringents**
.773 **Rubefacients**
.774 **Epispastics** **Blisters**
.775 **Escharotics** Caustic potassa
.776 Protectiv Emollient
Fats, oils, powders, starch, bismuth, oxid of zinc
.777 Deodorants Disinfectants
See 614.48 Disinfection; 614.64 Disinfection of ded
.778 Antiseptics Germicides
.78 Drugs acting on nervous system See also 615.95 Neurotic poisons
.781 Anesthetics Chloroform, ether
.782 Hypnotics Chloral, bromids
.783 Analgesics Opium
.784 Mydriatics Belladonna
.785 Excitants Strychnin
.786 Depressants Conium
.788
.789 Other drugs
Camfor, valerian, asafetida
.79 Mineral waters See also 613.38 Hygiene; 553.7 Occurrence in nature
.8 Other remedies
.81 Mechanical remedies
.811 Bloodletting Venesection Cupping
.812 Setons and issues
.813 Bandages Ligatures
.814 Acupuncture
.815 Pneumatic aspiration
.82 Manipulation Exercise
Massage, osteopathy, curativ gymnastics. See also hygiene, 613.71 Gymnastics
.83 Imponderable remedies
.831 Light Blue glass
.832 Temperature: heat, cold
.833 Moisture
.834 Climate See also 613.11 Hygiene
.835 Altitude
Decrease of oxygen and increase of nitrogen with increasing elevation
.836 Pneumatic differentiation
.837 Music
.84 Electricity Electrotherapeutics Radiotherapy
See also 537.87 and 621.3915

615.85 Cures
.851 Mind cure Influence of mind on body
Mental condition as affecting disease; occupation as remedy.
See also 131.32 Mental helth
.852 Faith cure Christian science See 265.8 Religion
See also state control of medicin, 614.24; Christian science theolog 230.95; sects 289.5
.853 Hydrotherapy Water cure
.854 Food cures: grapes, milk, beef, etc.
.855 Thomsonianism Herb doctors
.856 Perkinism Metallic tractors
.86
.87
.88 Patent medicins
.89 Ancient and medieval remedies
Including those of modern uncivilized peoples
.9 Toxicology Poisons
For other relations see Poisons, in Relativ index following Tables
.91 Irritant poisons
.92 Mineral irritants
.921 Acid poisons
.922 Alkalin poisons
.923 Nonmetallic poisons
.924 Phosphorus See also 615.218 Drugs
.925 Metallic poisons
.926 Arsenic See also 615.219 Drugs
.927 Mercury See also 615.258 Drugs
.928 Led For painters colic see 717.97 See also 615.251 Drugs
.929 Copper See also 615.256 Drugs
.93 Vegetable irritants
Hellebore, aloes, croton oil, etc.
.94 Animal poisons
Cantharides, diseased meat, ptomains, tyrotoxicon, etc.
.95 Neurotic poisons
See also 615.78 Drugs acting on nervous system
.96 Cerebral or narcotic poisons Carbonic oxid and acid
.961 Opium
.962 Prussic acid
.963 Cyanids
.964 Alcohol
.965 Ether
.966 Chloroform
.967 Chloral hydrate
.97 Spinal poisons
Nux vomica, strychnia
.98 Cerebrospinal poisons
Aconite, belladonna, lobella
.99 Cerebrocardiac poisons
Digitalis, tobacco

616 Pathology Diseases Treatment

May be subdivided by o like 610, if wisht. Use 616.01 for etiology, germ theory, bacteriology, classification of diseases. Use 616.075 for diagnosis, study of disease, and subdivide it as follows: 1 Pulse 2 Tung 3 Eye, skin, etc. 4 Auscultation, percussion 5 Thermometry 6 Chemistry, urin analysis 7 Microscopy, radioscopy, etc. 8 Pathologic anatomy 9 Postmortem examination

.1 **Diseases of circulatory system**
.11 Membranes of the hart
.12 Hart Angina pectoris
.13 Arteries
.14 Veins
.15 Blood
.2 **Diseases of respiratory system**
.201 Croup
.202 Hay asthma, hay fever
.203 Influenza, epidemic catarrh
.204 Whooping cough See also 614.543
.205 Coryza, catarrh
.206 Asphyxia
.21 Nose Naso-pharyngeal space
.22 Larynx
.23 Trachea Bronchi Bronchitis Asthma
.24 Lungs
.241 Pneumonia, lung fever
.242 Congestion
.243 Hemorrhage
.244 Abscess
.245 Gangrene
.246 Phthisis, tuberculosis, consumption See also 614.548
.247 Embolism and aneurism of pulmonary artery
.248 Emphysema
.249 Collapse
.25 Pleura Pleurisy
.3 **Diseases of the digestiv system**
For diseases of teeth see 617.6
.31 Mouth: tung, fauces Sore throat, quinsy, mumps
See also 614.544
.32 Pharynx Esophagus
.33 Stomach Gastritis, dyspepsia, vomiting
.34 Intestins Hernia, diarrhea, constipation, colic
.35 Rectum Anus Piles
.36 Liver Gall bladder Jaundis
.37 Pancreas
.38 Peritoneum Omentum Mesentery Peritonitis
.39 Dietetic diseases
Surfit, starvation, scurvy, dyspepsia

616.4 Diseases of lymfatic system and ductless glands
.41 Spleen
.42 Lymfatics: thoracic duct
.43 Thymus
.44 Thyroid body Goiter, Graves disease
.45 Suprarenal bodies
.5 Dermatology Skin diseases
.51 Inflammatory affections
Diffuse, papular, scaly, nettlerash, hives
.52 Catarrhal, vesicular, pustular Eczema, shingles
See also 614.561
.53 Disorders of sebaceous glands
.54 Hypertrofies Atrofies
Corns, warts, white hair, baldness
.55 New formations Pigmentary changes
Albinism, freckles
.56 Disorders of swet glands
.57 Parasitic diseases See 616.96 Parasitic diseases
.58 Other skin diseases
Chilblain, frostbite, chaps
.6 Diseases of genito-urinary system
For diseases of women, see 618
.61 Kidneys Ducts Bright's disease
.62 Bladder Calculus
.63 Urinary disorders Diabetes
.64 Male urethra
.65 Prostate
.66 Penis
.67 Scrotum
.68 Spermatic cord Testes
.69 Functional diseases of male generativ organs Spermatorrhea, impotence
.7 Diseases of organs of locomotion
.71 Bones (except spine)
.72 Joints (except spine)
.73 Spine Curvature
.74 Muscles
.75 Tendons Fasciæ
.76 Bursæ Sheaths of tendons
.77 Connectiv tissue
.8 Diseases of nervous sistem Psychiatry
See also 132 Abnormal psychology
.81 Diseases relating to cerebrospinal circulation Apoplexy
.82 Diseases relating to cerebrospinal meninges
.83 Structural diseases of brain and cord

616.84 Functional diseases of brain and cord
.841 Vertigo
.842 Paralysis
.843 Neurasthenia Cronic nervous exhaustion
.844 Spinal irritation
.845 Eclampsia, convulsions See also obstetrics 618.75
.85 Neuroses Psychoneuroses
.851 **Chorea**
St Vitus dance, Huntington's chorea
.852 **Hysteria**
Shel shock, etc. See also 132.3
Hypochondria, 132.4 Catalepsy, 135.5 Somnambulism
2 Psychasthenia Obsessional or anxiety neurosis
Obsessions, phobias
3 Dissociation of personality
32 Depersonalization
33 Alteration or transformation of personality
34 Fragmentary personality
Dual, secondary, alternating and multiple personalities
35 Fugues
.853 **Epilepsy Narcolepsy**
See also 616.898125 Alcoholic epilepsy
.854 **Tetanus Lockjaw**
.855 **Aphasia Alexia Amusia Agraphia Apraxia etc**
.856 **Anesthesia Hyperesthesia Hypesthesia Paresthesia**
.857 **Megrim Sick hedake**
.86 **Neuroses due to special poisons**
.861 Alcoholism
See also 132.72 Dipsomania, 616.89812 Alcoholic dementia
.862 Metallic tremor
.87 Diseases of nervs Neuralgia, cramp
.88 Diseases of simpathetic sistem
.89 Special psychoses and syndromes
.892 General paralysis of insane Dementia paralytica
Paresis
.893 Confusional insanity
Mental confusion: acute and primitiv. Delirium: acute, febri collapse, etc. Acute organic reaction types
1 **Pathologic intoxication (mania a potu)**
2 **Delirium tremens**
3 **Abstinence delirium**
4 **Traumatic " : immediate, protracted**
5 **Exhaustion " Exhaustion psychosis**
6 **Acute hallucinosis**
7 **" pseudoparanoia**
8 **Korsakow's psychosis**
9 **Other**

616.895 Manic-depressiv insanity

General unsistematized delusions; affectiv reaction types

1 **Manic type: mania, expansiv psychosis; euphoria**

12 Hypomania
13 Acute mania
14 Delirious mania
15 Cronic "

3 **Alternating, periodic or circular type**

Circular insanity (folie circulaire); insanity of double form; cyclothymia, variability of mood

4 **Depressiv type**

Depressiv psychosis, pathologic sadness and grief, hypochondria, melancholia. See also 132.3

42 Simple retardation
43 Acute depression
5 **Stuporous type** **Depressiv stupor**
6 **Mixt type**

62 Manic stupor
63 Agitated depression
64 Unproductiv mania
65 Depressiv mania
66 Depression with flight of ideas
67 Akinetic mania

7 **Involution melancholia**

See also 132.35 Melancholia

.897 Paranoid reaction types

Partial, sistematized; unopposed, polymorfic diffused delusions; delusional insanity

2 **Paranoia**

22 Original
23 Acquired
24 Abortiv
25 Latent
26 Paranoia querulans Querulous paranoia

3 **Paraphrenia**

32 Sistematic
33 Expansiv
34 Confabulatory
35 Fantastic

4 **Paranoid states** **Paranoid constitution**

Narcissism

.898 Dementia

Cronic organic reaction types

1 **Acute or furious dementia** **Primary dementia**
12 Alcoholic dementia

See also 616.861 Alcoholism

122 Alcoholic deterioration
123 Cronic alcoholism
124 Alcoholic pseudoparesis
125 " epilepsy

See also 616.853 Epilepsy

126 Cronic hallucinosis
13 Traumatic dementia
132 Traumatic constitution

Vasomotor neurosis, explosiv diathesis

133 Post-traumatic mental enfeeblement

616.8982 **Dementia precox and schizophrenic reaction types**
Neuroepithelial dementia, discordant insanity, secondary or terminal dementia. See also 616.895 Manic-depressiv insanity
22 Simple type Schizophrenia simplex
23 Katatonic type Katatonia Katatonic dementia
24 Hebephrenic type Hebephrenia Hebephrenic dementia
25 Paranoid type Paranoid dementia
See also 616.897 Paranoid reaction types
26 Mixt type
3 **Senile dementia**
31 Simple senile deterioration
32 Presenile dementia
33 Senile delirium
Delirious and confused types
34 Presbyophrenia
35 Alzheimer's disease
36 Deprest and agitated type
37 Senile and cronic pseudo-paranoid type
38 Arteriosclerotic type
382 Post-paralytic dementia
383 Post-apoplectic "
39 Other

.9 **General diseases**
.91 Infectious diseases
.911 Eruptiv fevers
.912 Small pox See also 614.471 and 614.521
.913 Cowpox
.914 Chickenpox See also 614.525
.915 Measles See also 614.523
.916 Rubella, rubeola, rötheln See also 614.524
.917 Scarlet fever, scarlatina See also 614.522
.92 Other fevers General works on fevers
See also 612.57 Animal heat
.921 Dengue, breakbone fever
.922 Typhus See also 614.526
.923 Plague
.924 Relapsing fever, famin fever
.925 Cerebrospinal fever
.926 Simple continued fever
.927 Enteric fever, typhoid fever See also 614.511
.928 Yellow fever See also 614.476 and 614.541
.93 Diftheria Cholera Malarial fever
.931 Diftheria See also 614.512
.932 Asiatic cholera See also 614.475 and 614.514
.933 Sporadic cholera
.934 Epidemic diarrhea See also 614.517
.935 Dysentery See also 614.516
.936 Malarial fever See also 614.53

616.94 Septic diseases
.941 Phagedena
.942 Erysipelas
.943 Pyemia
.944 Septicemia
.95 Venereal diseases Hydrophobia, etc.
.951 Syphilis See also 614.547
.952 Gonorrhea See also 614.548
.953 Hydrophobia See also 614.477 and 614.563
.954 Glanders See also 614.564
.955 Horsepox
.956 Splenic fever
.96 Parasitic diseases See also 614.55 Public helth
.961 Animal parasites
See 591.69 Economic zoology; 614.92 Parasites of animals
.962 **Entozoa**
.963 Trematoda, flukes
.964 Cestoda, tapeworms
.965 Nematoda Round worms, thredworms, etc.
.966 Acanthocephala, thornheded worms
.967 Insecta parasitica Maggots
.968 **Ectozoa**
1 Insecta parasitica: mosquitoes, gnats, bedbugs, fleas, lice
5 Arachnida parasitica: mites, ticks
8 Suctoria parasitica, leeches
.969 Vegetable parasites See 581.69 Economic botany
.97 Effects of poisons See 615.9 Toxicology
.98 Effects of injuries and climate
.981 Presence of foren bodies
.982 Mechanical injuries
.983 Excessiv exertion and strain
.984 Excessiv venery
.985 Privation
.986 Exhaustion
.987 Chemic agents
.988 Climate
.99 Other general diseases
.991 Rheumatism, rheumatic fever Gout
.992 Tumors
.993 **Nonmalignant: cysts, wens**
.994 **Malignant: cancer**
.995 Tubercle
.996 Scrofula Rickets
.997 Myxedema Cretinism
.998 Leprosy See also 614.546

617 Surgery

May be subdivided by o like 610, if wisht

.1 **Injuries**

.11 Burns and scalds

.12 Lightning and electric shock

.13 Contusions and abrasions

.14 Wounds

.141 Incised

.142 Contused

.143 Lacerated

.144 Punctured

.145 Gunshot See 617.99 Military surgery

.146 With lodgment of foren bodies

.147 With complete separation of parts

.148 Poisond See 615.9 Toxicology

.15 Fractures

.16 Dislocations

.17 Sprains

.18 Asphyxia

.2 **Results of injuries**

Constitutional effects and other complications. See also 616.94 Septic diseases

.21 Shock

.22 Inflammation

.23 Abscess Sinus Fistula

.24 Ulcers Sores

.25 Mortification Gangrene

.26 Traumatic fever

.27 Tetanus See also 616.854

.3 **Orthopedic surgery Deformities**

For convenience the whole subject of deformities is clast here, tho many oi them hav no surgical treatment. See also 573.8 Dwarfs and giants; 573.9 Monstrosities; 611.012 Teratology; 613.91 Congenital defects

.31 Incomplete development or growth

Divided like 611 Anatomy

.32 Incomplete coalescence of parts: harelip

.33 Coalescence of parts

.34 Extension of commissure (Apparent duplication)

.35 Coalescence of fetuses Siamese twins

.36 Supernumerary parts or organs: extra fingers or toes

.37 Disproportionate growth of parts

.38 Transposition or displacement of parts

.39 Congenital distortions, including talipes, club foot

617.4 **Surgical operations**
.41 Circulatory system
.42 Respiratory system
.43 Digestiv system
.44 Glandular and lymfatic system
.46 Genito-urinary system
.47 Motor and integumentary system
.48 Nervous system
.5 **Regional surgery**
.51 Hed Trephining
.52 Face Mouth See 617.6, Dentistry; 617.7, Eye; 617.8, Ear
.53 Neck Throat
.54 Chest
.55 Abdomen
.56 Pelvis
.57 Upper extremities Artificial arms, hands, etc.
.58 Lower extremities Artificial legs, feet, etc.
.6 **Dentistry Diseases of teeth**
.61 Diseases of dental pulp
.62 Diseases of dentin and cementum
.63 Diseases of dental periosteum
.64 Malposition and malformation of teeth
.65 Odontalgia, toothake
.66 Extraction of teeth
.67 Stopping teeth
.68 Transplanting teeth
.69 Artificial teeth
.7 **Ophthalmic surgery Diseases of the eye**
.71 Conjunctiva Cornea Sclerotic Ophthalmia
.72 Iris Choroid Ciliary body
.73 Optic nerv Retina
.74 Lens and its capsule Vitreous humor Affections of the globe Cataract
.75 Disorders of vision
Myopia, shortsightedness, astigmatism, colorblindness, daltonism. See also physiology, 612.845
.76 Muscular apparatus Lacrimal apparatus
Strabismus, squint
.77 Eyelids
.78 Orbit and neighboring parts
.79 Artificial eyes

617.8 **Diseases of the ear**
.81 Affections of external ear
.82 Auricle
.83 Auditory canal
.84 Affections of middle ear
.85 Membrana tympani
.86 Eustachian tubes
.87 Mastoid cells
.88 Affections of internal ear
.89
.9 **Operativ surgery**
See 615.781 Anesthetics
.91 Armamentaria Surgical instruments
.92 Orthopedic appliances Splints. trusses, etc.
See 617.3 Orthopedic surgery
.93 Surgical dressings
.94 Amputation Resection
.95 Plastic surgery
.96
.97
.98
.99 Military surgery

618 Diseases of women and children

.1 **Gynecology Diseases of women**
.11 Ovary
.12 Fallopian tube
.13 Periuterin diseases
.14 Uterus and cervix
.15 Vagina
.16 Vulva
.17 Functional and symptomatic disorders
Diseases of menstruation Leucorrhea Sterility
.18
.19 Diseases of brest

618.2 Obstetrics

.21 **Pregnancy Physiology**
.22 Diagnosis Signs of pregnancy
.23 Duration
.24 Hygiene Management
.25 Multiple pregnancy: twins, etc.
.3 **Pathology of pregnancy**
Diseases of pregnancy and their treatment
.31 Ectopic gestation Extra-uterin pregnancy
.32 Pathology of ovum
.33 Deth and retention of fetus
.34 Pathology of fetal appendages
.35 Decidua
.36 Placenta
.37 Amnion
.38 Umbilic cord
.39 Abortion Miscarriage Stillbirth Molar pregnancy
See 173.4 Infanticide; 340.6 Medical jurisprudence; 343 Criminal law
.4 **Parturition Labor Physiology**
.41 Mechanism of labor
.42 Presentations Positions
.43 Clinic course and phenomena
.44 Conduct of normal labor Management
.5 **Pathology of labor**
Abnormal labor from faults
.51 of powers Anomalies of expellent forces
.52 of passages Mechanical obstacles to expulsion of fetus
.53 of child Abnormalities of fetus See 617.3 Deformities
Complications
.54 Hemorrhage
.55 Rupture or laceration of genital tract
.56 Retention of placenta
.57 Inversion of uterus
.58 Prolapsus funis
.59 Other complications

618.6 **Puerperal state Physiology**
Management, including care of child
.7 **Pathology of puerperal state Puerperal diseases**
.71 Diseases of lactation: milk fever, mastitis, etc.
.72 Puerperal fever See 614.545 Public helth
.73 Metritis Peritonitis See also 616.38 Cellulitis
.74 Septicemia See also 616.944 Pyemia See also 616.943
.75 Convulsions See 616.845 Eclampsia
.76 Puerperal mania See also 132.1951 Manic insanity
.77 Phlebitis Venous thrombosis Phlegmasia dolens
See 616.14 Diseases of veins
.78 Other puerperal affections
.79 Sudden deth after delivery
.8 **Obstetric operations**
81 Application of lever and forceps
.82 Version
.83 Embryotomy
.84 Dilatation of os and cervix
.85 Symphyseotomy
.86 Cæsarian section
.87 Removal of placenta
.88 Induction of labor Removal of ovum
.89 Intra-uterin injections Antiseptics in midwifery
.9 Diseases at special developmental periods
.92 Pediatrics Diseases of children
.97 Geriatrics " " old age

619 Comparativ medicin Veterinary
.1 **Horses**
.2 **Cattle**
.3 **Sheep, goats**
.4 **Swine**
.5 **Poultry**
.6 **Birds**
.7 **Dogs**
.8 **Cats**
.9 **Other**

620 Engineering

See also 690 Bilding; 721 Architectural construction

SUMMARY

620.1 Applied mechanics Engineering materials
621 **Mechanical engineering**
.1 Steam engineering
.2 Hydraulic engins or motors
.3 Electric engineering
.4 Heat, air and gas engins, etc.
.5 Pneumatic machinery Refrigerating machines
.6 Blowing and pumping engins
.7 Mills Factories Engineering works
.8 Millwork Hoisting and conveying machinery
.9 Machine tools
622 **Mining engineering**
623 **Military and naval engineering**
.8 Naval architecture
624 **Bridges and roofs**
625 **Railroad and road engineering**
626 **Canal engineering**
627 **River, harbor and general hydraulic engineering**
628 **Sanitary engineering**
629 **Other engineering industries**

01 Statistics
.02 Quantities and cost
.03 Contracts and specifications
.04 Designs and drawings
.05 Executiv
.06 Working and maintenance
.07 Laws and regulations
.08 Patents
.09 Reports

.1 **Applied mechanics Engineering materials**

Class here general works on materials with reference to their fitness in engineering See also 691 Bilding materials

.11 Strength of materials General theory

General works considering various materials. For particular materials see 620.12–.19 Provision is made below for classing tests on 2 different bases: 1) by character of test, 2) by material tested. Class under material rather than under test when the two conflict. See also note under 620.112

For theory or mechanics of structures see 624; for theories of construction of bildings see 690.1

.111 General

This hed is left for specialists wishing to analyze general works or collect clippings and notes too limited for .11 yet not specific enough to be put with a particular test or material. Libraries are unlikely to need any general hed except 620.11

620.112 Tests Factors affecting strength
Kinds of tests. Directions for making various tests, laboratory manuals
See note to 620.11
1 General: influence of temperature, selection of test pieces, etc.
2 Corrosion Wcthering Protection against deteriorating influences
3 Elastic limit tests: plasticity, fatigue, deformation
See also 620.11246 Repeated stress
4 Tension, compression, torsion, flexure, shearing
Class here combined tests as well as general works covering these tests
If wisht, subdivide farther as follows:
41 Tensil tests
42 Compression tests
43 Torsion "
44 Flexure (transverse) tests
45 Shearing tests
46 Repeated stress tests
5 Impact Repeated shock tests
Crystallization and formation of cleavage planes
6 Hardness tests
7 Special tests
Varying for different materials
8 Tests on special shapes and forms
82 Plates and structural shapes
Bars, rods, angles, beams: T, bulb, I, and channel beams
83 Colums, bilt colums Tubes, pipes, cylinders
84 Rollers Spheres, solid or hollow Ball bearings
85 Springs
86 Hooks Chains Hoops Rings
87 Rivets Bolts Screws Nails
Riveted joints of plates
88 Wire Wire rope Cables Hawsers
89 Other forms
9 Other tests
.12 Tests of timber See note to 620.11
.13 Stone Cement Concrete
.132 Stone
.135 Cement
.136 Concrete
.137 Reinforced concrete
.139 Other: artificial stone
.14 Brick, tile, glass, etc.
See also 666.1 Manufacture of glass, 691.6 Glass as a bilding material
.15 Masonry adhesivs
Cement, mortar, plaster of paris, etc. See also bilding materials 691.5 Lime, plaster, cement
.17 Iron and steel
.18 Other metals Uze as general number for metals
.19 Other materials
.195 Mineral: asbestos, mineral wool
.196 Asphalt Tar
.197 Vegetable: paper, hemp, etc.
.198 Animal: hair, hide, bone, etc.
.199
.2 Compends Handbooks Kent, Trautwine
.3 Dictionaries, cyclopedias
.4 Essays
.5 Periodicals
.6 Societies
.7 Study and teaching Instruments
.8 Tables and calculations
.9 History of engineering

621 Mechanical engineering

May be subdivided like 620.0 and by form numbers

.1 Steam engineering

Subdivide like 620 and 620.0, but use 621.101 as below. Other generalities of steam engineering are in 621.11 and 621.18

.101 Applied thermodynamics

Theory and use of steam in steam engin General energy considerations Steam economy

1 General

Expansion, entropy; extension of expansion approaching vacuum (condensers) superheating, cylinder condensation, jacketing, etc. For condensers, superheaters, etc. see 621.197

.11 Mechanism of steam engin Design of engin parts

.111 General

.112 Types of engins: structural

Reciprocating engins in general. Types specified below are all reciprocating, except 1 Primitiv and 9 Other

1 Primitiv
21 Single acting
22 Double acting
3 According to transmission of motion
32 Direct connected
33 Indirect: beam connected
4 According to position
42 Horizontal
44 Vertical
45 Oscillating
46 Inclined
5 According to terminal pressure
52 Condensing
In early period called 'low pressure'
53 Noncondensing
In early period called 'high pressure'
6 According to expansion
61 Single expansion
62 Compound
63 Double expansion: cross compound
64 " " tandem "
65 " " angle "
66 Triple expansion
67 Quadruple expansion
9 Other types
95 Steam turbins
Better clast 621.165
96 Rotary engins
Better clast 621.166

.12 Marine engins

For propulsion see 623.8 Naval architecture

121 General

See also 621.11 and 621.18

.122 Types of marine engins

1 Primitiv
Inventions of Papin, Perier, Fulton, Stevens, etc.
2 Beam and side lever engins
4 Horizontal, inclined, vertical engins
5 Oscillating
8 Launch engins
9 Other special engins

.123 Marine steam turbins

See also 621.165

621.13 Locomotivs

.131 Theory of the locomotiv

1 Adhesion Tractiv force Horsepower

2

3 Tests

.132 Types

Variations modifying tractiv force and speed, and affecting more than 1 class of mechanism. For variations in steam apparatus (oil burning locomotivs, etc.) see 621.133 and 621.134

1 Primitiv forms

2

3 Types according to distribution of wheelbase and load

Exprest by Whyte nomenclature for wheel combinations

5

6 Types according to purpose

62 Freight or goods engins Hog engin

63 Yard, switch or shunting engins

65 Passenger engins

67 Mountain "

68 Mining "

69 Other special locomotivs

8 Peculiar types

Combined 'engin and coach wagon'

9 Types in different countries

Subdivided like 940–999; e.g. English locomotivs 621.132942

.133 Locomotiv boilers Production of steam

Better clast in 621.18423, as boilers of locomotiv type serv many other purposes For boiler management see 621.194

1 Combustion Fuels Petroleum Fuel consumption

See also 621.18357

2 Grate and ashpit Firebox Stays

See also 621.1835

3 Shell and tubes

4 Smokebox and stack Spark arresters

See also 621.1838

5 Exhaust pipe

6 Dome

9 Miscellaneous fittings

Gage cocks, safety valvs, whistles, pumps, injectors, etc.

.134 Engin of the locomotiv

1 Driving mechanism Cylinders, pistons, rods

2 Steam distribution Valvs and valv gears

22 Special types of valvs and valv gear

3

4 Compound principle

Distribution in compound locomotivs

5 Lubrication of locomotiv

9 Other parts of locomotiv: throttle, etc.

.135 Running gear

.136 Tenders

1 Design, weight, brakes, etc.

2 Appliances

3 Taking water without stopping; track tanks; water scoops

.139 Miscellaneous parts

Cowcatcher or pilot, headlight, bell, sandbox

621.14 Traction engins Road locomotivs

Selfpropelling engins for hauling over roads or ground, or doing other work by locomotion. For railway engins see 621.13. For stationary hauling engins see 621.162

Hauling may be accomplisht either by engins applying their power directly and moving with the load, i.e. locomotiv (621.13) over rails; or traction engins (621.14) over ground or roads; or by engins applying their power indirectly thru cables, etc. and standing in a fixt position either temporarily (621.15) or permanently (621.16)

.141 Theory General

.142 Structural types

.143 Boilers

Better clast in 621.18423; 621.143 if used is limited to discussion of those suitable to traction engins

.144 Types Traction engins for special uses

.145 **Compressing machines Steam rollers**

.146 **Agricultural: plows, reapers, etc.**

.15 Portable engins

Engins that may be moved from place to place, but that remain in a fixt position when working. If selfpropelling, the selfpropulsion is incidental. For fire engins and other pumping engins see 621.64

.151 Theory General

.152 Types, structural, etc.

.153 Boilers

Better clast in 621.18423. If used, limited to discussion of those suitable to portable engins

.154 Portable engins for special purposes

Hoisting, dredging, drilling, etc. See also 621.86 Hoisting and conveying machinery; 621.68 Fire engins, 627.7 Dredges

.156 **Agricultural: threshers, etc.**

.159 Semistationary engins Various types

.16 Stationary engins

Engins fixt in position; e.g. those running factory machinery, cables, elevators, etc. For management see 621.193. For boilers see 621.18424

.161 Theory and general

.162 Types by use: hauling, dredging, etc.

For pumps see 621.64. For types clast by engin mechanism see 621.164

.163 Stationary boilers

Better clast in 621.18424 with only reference here

.164 Types according to characteristics of engin mechanism or steam distribution

When mechanism and steam distribution conflict, class according to mechanism; e.g. compound releasing-gear engins 621.1644 rather than 621.1647 Each type may be subdivided like 621.11· e.g. vertical throttling engins 621.1642244

1 General
2 Throttling engins
3 Automatic shaft governor engins
4 Releasing gear (Corliss) engins Drop cutoff
5 Single acting engins. Westinghouse or Willans type
6 Simple engins
7 Compound engins, triple expansion, etc.

621.165 Steam turbins

See also 621.123 Marine steam turbins

1 **Theory**
11 Methods of calculation
12 Vanes and buckets
13 Guide vanes and nozles
14 Stresses in rotor or disc
15 Windage
2 **Types**
22 Velocity turbins
23 Pressure turbins
24 Combined velocity and pressure turbins
3 **Construction Details of design**
32 Vanes Buckets
33 Guide vanes Nozles
34 Rotor Discs
35 Valvs, governors, safety devices
36 Thrust balancing
37 Mass "
38 Casing, etc.
39 Bearings, etc.

.166 Rotary engins

.169

.18 Steam generation and transmission

Fuels, furnaces, boilers, piping, power plants
For steam heating see 697.5

.181 General

.182 Fuels Combustion

2 **Fuels for boiler heating**
For fuels in general and fuel analysis see 662.6
22 Solid fuels: coal, lignite, wood, sawdust, peat
23 Liquid fuels: tar, petroleum, alcohol
24 Gaseous fuels: gas from blast furnaces, coke ovens: natural gas
25 Composit fuels: city refuse, coal dust, trash
3 **Fuel consumption**
Practical experiments with a single fuel
4 **Comparativ consumption**
Practical experiments with various fuels

.183 Furnace Draft

1 **General**
Heating and grate surfaces
2 **Types of furnaces**
5 **Furnace parts and construction details**
52 Grates
53 Stationary grates
54 Shaking, dumping and step grates
55 Ashpits Furnace doors
57 Burners for liquid fuel
6 **Mechanical stokers**
62 With traveling grate
63 " rocking "
64 " step grate (Roney grate)
65 " plunger
66 " screw
7 **Other appliances**
77 Pulverized fuel appliances
78 Fuel and ash conveyers Ash removers
See also 621.86 Hoisting and conveying machinery
8 **Chimneys Stacks Draft appliances**
Smoke consumers. For smoke prevention see 621.1941 Firing
82 Natural draft Dampers Uptakes
84 Induced draft
85 Forced draft

621.184 Boilers For boiler plants see 621.19
1 General
13 Boiler economy Tests Feedwater
2 Types
22 Marine
23 Locomotiv, traction, portable
24 Stationary
25 Firetube boilers (tubular)
252 Internally fired
253 Externally "
26 Water tube boilers (tubulous)
27 Flash generators Instantaneous vaporizing boilers
5 Boiler construction Setting Parts
52 Shell Heds Tubesheets Domes Drums
Riveted joints, staying and bracing
53 Tubes Ferules Rings
54 Casing
55 Inspection and cleaning parts: man and hand holes, cleanouts, covers
56 Setting and hanging
57 Foundations: masonry, flues, etc.
7 Boiler accessories
72 Water gages, floaters, gage glasses, warning whistles
73 Pressure gages, manometers, safety valvs
79 Other: air cocks and blowout valvs, zincs, steam collectors
.185 Steam transmission and distribution Piping
1 General; laws of flow, condensation, friction
3 Connections; mains, auxiliary piping
4 Valvs Stop, safety, reducing Pressure regulators
5 Drains and traps Receivers and distributing valvs
6 Covering Insulators
Nonconductors for high, low and medium temperatures
7 Joints and cements Expansion joints
8 Utilization of exhaust steam See also 697.5 Steam heating
.19 Steam boiler and power plants Central stations
See also bilding, 697.5 Steam heating; and Boiler, Boilers in Relativ index
.191 General
.192 Arrangement and housing of apparatus
5 Provision for enlargement
.193 Care and management of steam apparatus
.194 Boilers
1 Firing
2 Feeding
Put here general discussion of feeding and feedwater appliances
For separate description of appliances see 621.197
3 Treatment of feed water: purification, softening
4 Scale prevention Incrustation
7 Inspection Tests Rating
.195 Engins: oiling, packing, adjusting
.196 Duration Wear
5 Corrosion
.197 Steam plant accessories Economic appurtenances
2 Feedwater appliances
Tanks, heaters, economizers, filters, purifiers, regulators
3 Pumps Injectors Return traps
4 Separators
5 Superheaters
6 Condensers and cooling towers
62 Surface condensers
63 Jet condensers
64 Cooling towers
67 Condenser accessories
7 Instruments
Indicators, tachometers, gages, dynamometers, thermometers, pyrometers, lubricators, etc.

621.2 Hydraulic engins or motors

Industrial use of water as motiv power, including machines run by water under pressure produced by accumulators and also constructions and appliances for distributing and regulating supply of water to motors

For hydraulic engineering (dam, breakwater, etc.) see 627; for pumps see 621.6; for reservoirs, aqueducts, etc. see 628.1; for theory of mechanics of liquids see 532

.21 Water wheels

Theory, classification, parts (e.g. paddles, vanes, buckets) water gates, culverts

.22 Overshot or bucket wheels Brest wheels

.221 Overshot wheels of low velocity

.222 Overshot wheels of high velocity

.223 Brest wheels Fairbairn wheels

.224 Sluice gate or Sagebien wheels

.23 Undershot or impulse wheels and floating wheels

.231 Ordinary undershot wheels

.232 Wheels with curvd vanes or buckets Pelton wheel

.233 Vertical impulse wheels

.234 Current suspension wheels

.235 Floating wheels

.24 Turbins

See also 621.165 Steam turbins

.241 General: parts (e.g. distributors, buckets, guide vanes) regulators

.242 Reaction or pressure turbins

.243 Outward flow

Early forms: Barker's mill

.244 Inward flow

.245 Downward flow

.247 Impulse or Girard turbins

.25 Water pressure engins Accumulators

.252 Hydraulic pumps

.253 Piping for high pressure

.254 Accumulators

.26 Hydraulic machinery and appliances

For theory see 532.81

.262 Funicular engins Hydraulic tackle

.263 Hoists Elevators Cranes

Class preferably in 621.86; i.e. purpose outweighs motiv power

.264 Special handling and lifting machinery for steel works, etc.

.266 Presses Forging and stamping machines

.267 Accessories: injection pumps

.269 Mining, tunneling and other hydraulic appliances

Hydraulic giant, Brandt's hydraulic gun

.27 Hydraulic rams

For theory see physics 532.83

.272 Lifting rams Montgolfier ram, Bolle ram, etc.

.273 Pumping rams Leblanc ram

See also 621.64 Pumps

.274 Compressing rams Sommelier ram

.29 Flood gates Dams Mill sluices Hed and tail races

Adaptation to hydraulic motors. For methods and principles of construction see 627.8 Hydraulic engineering

621.3 Electric engineering

001 Statistics; 002 Quantities and cost; 003 Contracts and specifications; 004 Designs and drawings; 005 Executiv; 006 Working and maintenance; 007 Laws and regulations; 008 Patents; 009 Reports
May also be subdivided for form with 0 like 620.1–.9

SUMMARY

621.31–7 Hevy current engineering
- .31 Generation of electricity
  - .311 General
  - .312 Central stations
  - .313 Dynamoelectric machinery
  - .314 Stationary induction apparatus
  - .315 Electrostatic apparatus
  - .316 Accessories and parts
  - .317 Control and central station wiring
  - .319 Transmission
- .32 Electric lighting
- .33 Electric traction
- .35 Voltaic cells and batteries
- .36
- .37 Electric measurements and testing
- .38 Weak current engineering
  - .382 Telegrafy
  - .384 Wireless communication
  - .385 Telefony .388 Transmission of images
- .39 Other applications of electricity

621.31–.37 Hevy current engineering

.31 Generation of electricity Dynamoelectric machinery Transformers Transmission

.311 General

.312 Central stations: metropolitan, rural

Divided by 001–009 like 621.3 with the following additions to 006
006 Working and maintenance
- 4 Operation and running
- 5 Regulation and control
- 7 Repairs and renewal
  - Administrativ point of view; a specific repair belongs with the part repaird
- 8 Testing

13 **General central stations**
Combined power, traction, light, etc. stations

132 Steam driven
133 Gas "
134 Hydraulic
135 Composit

2 **Stations for lighting only**
Divided by source of power like 621.31213

3 **Stations for tractiononly**
Divided like 621.31213

5 **Storage battery pressure regulating equipment**

6 Substations
63 Transformer substations
64 Converter "
65 Accumulator "

621.313 Dynamoelectric machinery
- 1 **General; construction, installation**
- 2 **Direct or continuous current machinery**
  - 21 Theory
  - 22 General types
  - 23 Continuous-current generators
    - 2 Series wound 3 Shunt wound 4 Compound wound
  - 24 Continuous current motors
    - Subdivided like 621.31323 above
    - 245 Constant speed motors
    - 246 Multispeed motors
    - 247 Adjustable speed motors
    - 248 Varying " " (railway motors)
  - 25 Continuous-current converters
  - 26 Dynamotors and motordynamos
  - 27 Compensators or balancers
  - 28 Continuous-current boosters
  - 29 Other
    - 291 Acyclic or homopolar machines
- 3 **Alternating-current machinery**
  - 32 General types of alternating current machinery
    - 321 Single phase machinery
    - 322 2 " "
    - 323 3 " "
    - 325 Other polyphase machinery
  - 4 Synchronous machinery
    - 41 Theory
    - 42 General types
    - 43 Alternating-current generators
    - 44 Synchronous motors
    - 5 Alternating-current converters
      - 51 Theory
      - 52 General types Description
      - 53 Synchronous converters
      - 54 Phase converters
      - 55 Frequency converters
      - 56 Double-current generators
      - 57 Motor converters
    - 6 Asynchronous machines
      - 61 Theory
      - 62
      - 63 Induction generators
      - 64 " motors
      - 65 Series alternating-current motors
      - 66 Repulsion motors
      - 67 Frequency converters
      - 68 Phase converters
    - 7 Rectifying apparatus
      - 72 Mechanical rectifiers
      - 73 Arc "
      - 74 Electrolytic "

621.314 Stationary induction apparatus
1 **Theory**
2 **General types and description**
3 **Transformers**
31
32 Constant-current transformers
33 Constant-potential transformers
34 Phase-changing transformers
38 Meter transformers
4 Auto transformers
5 **Potential regulators**
51 Compensator potential regulators
52 Induction " "
53 Magneto " "
6 **Reactors or choke coils**
7 **Induction coils**
.315 Electrostatic apparatus: condensers
.316 Details of electric machinery Parts
Armatures, field cores, etc.
.317 Central station wiring Control devices and switchboards
For meters and mesuring instruments see 621.37
1 **General**
2 **Panels**
22 Generator panels
23 Motor "
24 Feeder "
25 Transformer "
26 Converter "
27 Lighting "
28 Accumulator "
3 **Switches**
31 General
32 Knife switches
33 Dial "
34 Plug "
35 Oil "
36 Circuit breakers
4 **Rheostats and control devices**
5 **Signal devices**
6
7 **Barriers and compartments**
8 **Station protectiv devices (fuzes, lightning arresters, etc.)**
.318 Manufacturing processes
Processes peculiar to electric machinery and apparatus: e.g. insulating, varnishing, baking, armature stamps and dies

621.319 Transmission of electric energy

Limited to transmission of current from control to substations (stepdown transformers) and to questions common to all lines. For transmission systems for a special application see subject; e.g. traction lines 621.332

1 **General**

12 **Systems**

122 Direct or continuous current systems

Including 2 wire systems

123 3 wire (or Edison) and other

129 Other direct current systems

13 Alternating current systems

131 Single phase systems

132 2 phase (or quarter phase) systems

3 3 wire system

4 4 " "

133 3 phase systems

2 Delta or mesh connections

3 Star or Y connections

139 Other polyphase systems

15 Composit systems

Direct and alternating current combined

2 **Lines and conductors**

For local wiring see specific application; e.g. electric light wiring 621.328

21 General

Interaction of parallel lines, heat losses. For traction lines see 621.332; for interior wiring for electric light sce 621.328, for telegraf see 621.382, for telefones see 621.385–7

22 Overhed or aerial lines

222 Systems

223 Poles: foundations, guys, etc.

224 Cross arms Pins

225 Towers

23 Underground lines

232 Systems

233 Condits

234 Manholes

3 Cables and conductors Insulating materials

32 Uninsulated conductors Bare wire

33 Insulated " Wire and cable

34 Cables

37 Insulating materials

Leakage Influence of chemic composition

4 Insulators

8 **Protectiv devices**

82 Line lightning arresters

For protection of central stations see 621.3178

621.32 Electric lighting Illumination

Class here works limited to electric lighting, but more general than any of the subheds below. This number is for matter differentiating lighting from other branches of electric engineering, but not for subjects which lighting has in common with other branches. For generation and control of electricity (including central stations) see 621.31, for transmission and wiring see 621.319, for mesuring see 621.37

For theory of electric light see 537.83 Electric lighting

.321 General

.325 Arc lighting

Including systems and lamps

1 General: efficiency, cost, etc.

2 Constant-current or series systems

3 Constant potential or parallel systems

4-5 Arc lighting according to

4 Type of arc

If emphasis is on form of current, class under 621.3255 If there is conflict, prefer 621.3254

42 Open arc

421

422 " " direct current

423 " " alternating current

43 Inclosed arc

431

432 " " direct current

433 " " alternating current

5 Form of current

If emphasis is on type of arc, class in 621.3254

52 Direct current

521

522 " " open arc

523 " " inclosed arc

53 Alternating current

531

532 " " open arc

533 " " inclosed arc

6 Composit electrode arcs

Flaming arcs. Carbid, Bremer magnetite, titanium oxid arcs

7 Details Accessories

Arc light carbons

8 Applications

For welding see physics 537.85, and metallurgy 669

" therapeutic applications see 615.84 and 621.3915

82 Searchlights

.326 Incandescent lighting

Including lamps and systems

1 General: efficiency, cost, etc.

2 Systems (Edison 3 wire system)

3 Carbon filament lamps

31 Metalized filaments

32 Other carbon filaments

4 Metal filament lamps

41 Platinum filaments

42 Tantalum "

43 Tungsten "

44 Osmium "

45 Other metal filaments

5 Glowers of other materials

53 Nernst lamps

621.327 Incandescent vapor lighting and lamps Other electric lighting
3 Vacuum or incandescent vapor lamps
4 Mercury vapor lamps
For mercury rectifiers see 621.3137
5 Carbon vapor lamps Moore lamp
7 Vacuum lamps for special radiations: Crookes tubes, etc.
.328 Apparatus at servis end of line
1 Underwriters requirements
National electric code
2 House wiring
3 Panels
4 Fuzes
5 Insulators, etc.
6 Meters
See also 621.37 Electric mesurements and testing
7 Switches
8 Protectiv devices
9 Other apparatus
.33 Electric traction
See 625 for construction of route; 656 for business management, maintenance; 654 for communication and signals; 699 for car bilding; 725.3 for architecture of stations, terminals, carsheds, shops, round houses, etc. This number is concernd properly only with the apparatus and appliances for transmission and use of the current after it enters the line.
.331 General
2 Systems
4 Systems according to current
42 Direct current
43 Alternating current
431 Single-phase
432 2 phase
433 3 phase
439 Others
5 Systems according to delivery of power
52 Trolley systems
53 Overhed trolley
54 Underground trolley
56 Third rail systems
562 Unprotected third rail
564 Protected " "
.332 The line (including track)
1 General
Interaction of parallel lines, heat losses, etc. ar better clast in 621.31921
17 Feeders and return systems
2 Overhed wire Trolley lines
23 Catenary suspension
25 Trackless trolley
3 Third rail
5 Underground conductor or contact
6
7 Accessories
9 Other types of line
.333 Track
1 General
16 Deteriorating influences
167 Electrolysis Leakage
2 Rails
4 Bonding

621.334 Rolling stock

For nonelectric rolling stock see 656 for administration, 699 for construction

2 Locomotivs

3 Motor tramcars

4 Accessories and parts Control systems

Motor, controller, current collecting devices, etc. Multiple unit control

5 Locomotiv and car wiring

7 Running gear and other nonelectric details

.35 Chemic electricity Voltaic cells and generators

Primary and secondary

.351 General

E.m.f, counter e.m.f. polarization, weight, capacity; efficiency, life, crumbling, deterioration and detrimental influences; residues

.352 Parts and accessories of cells and accumulators

1 Containers: jars, trofs. vats, etc.

2 Electrodes and their accessories: positiv and negativ plates or elements

Grids, supporting frames, insulating rods, etc.

3 Diaframs and partitions

4 Electrolytes Depolarizers Packing

5 Circulators Condits and piping

6 Connections Terminals Binding posts

7 Regulating apparatus

8

9 Other apparatus

.353 Primary cells

See also 537.5 Voltaic electricity; 541.37 Electrochemistry

1 General

3 Single fluid

4 Double " Hevy current cells

5 Open circuit or nondepolarized

6 Closed circuit or depolarized

7 Accessories and parts

8 Classification according to use or operating methods

.354 Accumulators or storage batteries

Secondary cells and batteries

1 General

18 Care and handling of accumulators

7 Accessories and parts

.355 Led accumulators

1 General

18 Care and handling

2 Naturally formd: Planté type

3 Artificially formd: Faure type

4 Combined Planté-Faure types

5 Other led accumulators

52 Complex oxid types

55 Led element accumulators

56 Copper led "

57 Zinc " "

58 Cadmium " "

.356 Alkalin accumulators

.357 Other types of accumulators

Thallium, gas, etc.

.358 Other classifications of accumulators

According to use or operation

.359 Other topics pertaining to chemic generation of electricity

.36

621.37 Electric mesurements, meters and testing

.371 General

Tariffs may be clast here, tho better put in 654

.372 Standards Calibration of instruments

.373 Meters General types

Recording meters. See also special meters, 621.374

Prepayment meters. See also special meters, e.g. 621.3745 Watt hour

.374 Special meters and mesurements

2 **Resistance meters: inductance, capacity**

Wheatstone bridges, ohmmeters, resistance boxes

3 **Potential meters: voltage**

Voltmeters, electrometers, standard cells

4 **Intensity meters: current**

Galvanometers, ammeters, coulometers, Ampère-hour meters

5 **Quantity or work meters Watt-hour meters**

6 **Power meters Watt meters**

7 **Frequency meters Oscillografs**

9 **Other meters and mesurements**

91 Phase meters Power-factor meters Synchronizers

.379 Other electric mesuring instruments

For other than electric mesurements; e.g. electric thermometers

Weak current engineering

.38 Electric communication: telegrafy, telefony, wireless

Libraries hav too much material clast in 654 to make it practicable to abolish that number for construction and instruments; but for electric engineers and new libraries preferring it, the detaild technical classification is developt here.

For overhed or underground lines see 621.3192

381 General

382 Telegrafy Systems

When systems and instruments conflict, classify according to systems

For business administration, see 654; for wireless see 621.384

15 **Codes**

152 Morse

153 Continental

154 Phillips (press code)

2 **A B C, dial, needle telegraf, etc.**

21 Early experimental forms

22 A B C

23 Dial

24 Needle

25 Pointer

29 Other

3 **Hand operated code telegrafy**

31 Simplex

311 Open circuit

312 Closed circuit

32 Duplex

321 Differential duplex systems

322 Stearns duplex

323 Polar duplex

325 Bridge duplex systems

621.38234 Quadruplex
35 Multiplex
36 Synchronous multiplex: Delany
37 Harmonic " Gray
4 **Automatic code telegrafy High speed sistems**
41 Electrochemic automatic: Bain, Morse
44 Ink recording or embossing
45 Wheatstone
46 Pollak-Virag
47 Telepost (Delany)
5 **Printing telegraf**
51 Tape printing: stock tickers
53 Other tape printing: Hughes
55 Page printing: Buckingham, Murray, Baudot
57 Multiple page printing: Rowland
6 **Writing telegrafy**
Transmitting and recording caracters while being written; Gray's telautograf
7 **Facsimile telegrafy**
Sometimes cald fototelegrafy
8 **Submarine cable telegrafy**
9 **Other wire sistems**
94 Induction telegrafy; from moving trains, etc
95 Combined telegrafy and telefony Fantom circuits

.383 Telegraf instruments
1 **Transmitting: keys, senders etc**
2 **Intermediate and accessory: relays, repeaters, switches**
21 Relays
22 Differential relays
23 Polarized "
24 Repeaters, for simplex; Milliken, Ghegan, Toye etc
25 " " duplex or quadruplex
26 'Half' repeaters
27 Switches and distributing apparatus
28 Protectiv apparatus
29 Miscellaneous telegraf accessories
3 **Receiving instruments**
Sounders, recorders etc. Subdivided, if wisht, like 621.3824–8

.384 Wireless electric communication: telegrafy, telefony Radio

Following subdivisions by 0003 may be uzed thruout 621.384 as needed. 621.384 may also be divided by 01 like 620.1. For full list of form divisions see Table 2 after Relativ index

00031 Statistics
32 Quantities Costs
33 Contracts Specifications
34 Designs Drawings
35 Executiv Administrativ
36 Working Maintenance
363 Personnel
Divided like 331
364 Operation Running
365 Regulation Control
367 Repairs Renewals
Administrativ point of view: a specific repair belongs with part repaird
368 Testing
37 Laws Regulations
38 Patents
39 Reports

621.3841 **General questions Radio principles**
11 Radio waves
111 Caracteristics
112 Propagation
113 Polarization
114 Radiation
115 Transmission fenomena
1 **Fading**
2 **Daily and seasonal variations**
3 **Directional variations**
4 **Ionization Heaviside layer**
5 **Meteorologic influences**
Geophysical and cosmic effects
51 Atmosferic currents Winds
52 Temperature
521 Arctic and antarctic radio
522 Radio in temperate regions
523 Tropic radio
53 Elevation
54 Barometric pressure
55 Storms, aurora borealis, etc
56 Eclipses
57 Moisture Precipitation
58 Dryness
59 Other
6 **Reflection Refraction Diffraction**
7 **Transmission formulas Range**
8 **Wave front angle**
9 **Other transmission fenomena**
116 Directional properties
117 Waves on wires
12 Radio circuits
121 Simple radio circuits
Theory and effects
122 Coupled circuits
123 Damping Decrement
124 Resistance
125 Reactance
2 **Inductance** 3 **Capacity**
126 Harmonics
127 Beats
128 Modulation
2 **Distortion**
129 Other topics
1 **Oscillating circuits**
2 **Rectification**
13 Instruments Apparatus Equipment
131 Generating, sending, transmitting apparatus
See also 621.3841326 Tube generators
1 **Simple oscillators**
2 **Spark gaps**
3 **Arcs Arc converters Arc generators**
4 **High frequency alternators**
5 **High voltage generators**
6 **Transformers**
7 **Automatic transmitters**
8 **Other types of generators and transmitters**
Practis code transmitters, etc
9 **Auxiliary equipment**
91 Frequency changers 92 Protectiv devices

621.384132 Vacuum tubes Electron tubes
1 **Construction Evacuation**
12 2-electrode tubes
123 Regulator "
13 3-electrode "
14 Vacuum tubes with 4 or more electrodes
15 Alternating current tubes
17 Impedance
18 Electron emission Ionization
2 **Apparatus**
Use in wire sistems, etc
3 Detectors Rectifiers
See also 621.3841362 Detectors in general
31 Detector action
Divided like 621.38413662
32 Plate or anode circuit rectification
33 Grate or cathode " "
4 Amplifiers
See also 621.3841363 Amplifiers in general
5 Electron tube receiving sets
See also 621.3841366 Receiving sets in general
6 Electron tube generators
See also 621.384131 Generating apparatus in general
7 Modulators
8 Electron tube radiotelefone sets
9 Other electron tube apparatus
133 Parts of circuits Instruments
1 **Condensers**
2 **Inductors**
22 Inductance coils
23 Couplers Oscillation transformers
3 **Resistors**
4 **Meters**
41 Wavemeters
43 Frequency meters
45 Decremeters
5 **Modulating devices Modulators**
8 **Auxiliary equipment, parts and details**
81 Filament and plate current supply
82 Filters Filter circuits
83 Grounds
84 Cathode ray oscillograf
85 Switches and switching devices
86 Insulating and protectiv devices
87 Radio conductors Wiring devices
88 Structural details
89 Other devices and auxiliary equipment
9 **Other instruments**
135 Antennas, aerials and their substitutes
1 **General questions**
Functions, antenna constants
12 Proper frequency
13 Capacity
14 Inductance Self induction
15 Resistance
2 **Condenser or ordinary elevated antennas Open antennas**
22 With ground
23 " counterpoise, without ground
24 Inverted L type
25 T type
26 Umbrella type
3 **Ground and underground antennas**

621.3841354 **Coil, frame or loop antennas Closed or skeleton antennas**
5 **Directional antennas**
52 Direction finders, for reception
53 Directiv antennas, for transmission
54 Wave antennas Beverage antenna
55 Beam sistem antennas
56 Adcock antennas
6 **Multiple-tuned antennas**
7 **Artificial antennas**
: Use of trees, balloons, kites etc. Improvized antennas
8 **Antenna parts and auxiliaries Antenna kits**
81 Structural members: masts, towers, poles etc
82 Ground connections and auxiliaries: ground screens, etc
83 Counterpoises
84 Antenna hardware and fittings: brackets, spreders etc
85 Antenna conductors, antenna wires
86 Insulating devices
87 Antenna instruments
88 Leads-in, feeders, switches etc
89 Protectiv devices
9 **Special antennas**
For vehicles, ships, submarines, airplanes etc

136 Receiving apparatus and instruments
1 **General questions**
12 Sensitivity, intensity and clearness of reception
13 Perturbations
14 Selectivity
15 Fidelity
16 Output
17 Power supply
172 Direct current
173 Alternating current
2 **Detectors and rectifiers**
See also 621.3841323 Tube or valv detectors
21 General questions: detector action, etc
22 Cristal detectors
23 Electrolytic detectors
25 Nonrectifying "
26 Coherers
27 Thermal detectors
28 Magnetic "
3 **Amplifiers**
See also 621.3841324 Tube or valv amplifiers
4 **Telefone receivers Acoustic receivers**
42 Tuned receivers
43 Loud speakers Loud speaking apparatus
44 Hed sets Hed telefone receivers
45 Audibility meters
5 **Recording devices Automatic recorders**
Optic receivers
6 **Receiving sets**
See also 621.3841325 Tube receiving sets
62 According to principle or type of circuit
621 Regenerativ
2 Superregenerativ
622 Autodyne
623 Heterodyne
2 Superheterodyne
3 Autoheterodyne Endodyne
624 Supersonic
625 Reflex
626 Neutrodyne
627 Solodyne
628 Oscillating cristal or piezoelectric receivers
629 Other

621.38413663 Cristal-valv combinations
64 According to structural arrangements or details
642 Sets for fonograf mounting
643 Combination radiofonograf
644 Knockdown sets
15 Radio communication sistems
151 According to power, frequency or wave
152 Subdued or modulated wave sistems
Free oscillations
1 Spark sistems
2 Radio telefone sistems
3 Low frequency modulated sistems
Tonic train, etc
4 High frequency modulated sistems
153 Continuous or sustaind wave sistems
Forced oscillations, continuous-train sistems
1 High frequency alternator sistems
2 Separate frequency-raiser "
3 Arc sistems
4 Tube or valv sistems
5 Timed or periodic spark sistems
6 Impulse excitation
7 Beat reception
8 Use of receiving interrupters and tone wheels
9 Other
154 Interference elimination
1 Strays Atmosferics Static
2 Interference of power circuits
3 " " special apparatus and installations
5 General methods of elimination
6 Devices: static eliminators, static reducers, wave-traps, call selection devices
7 Station interference
8 Secrecy sistems
9 Other
155 Remote control by wire
156 Linkage Relaying
157 Multiple and directed sistems
1 Duplex Diplex Multiplex
2 Syntonization of communicating stations
3 Directiv sistems
4 Wired wireless Conducted waves
158 Recording and relay operating sistems
2 Relay operating sistems
4 High speed sistems
5 Automatic printing sistems
159 Other sistems
2 Buzzerfone
3 Fullerfone
5 Tree telegrafy
6 Underground communication
16 Radio stations
161 Equipment Station descriptions
162 According to underlying principle or sistem of working
Divided like 621.38415
163 Commercial stations
164 Broadcasting "
165 Ship "
166 Private "
2 Amateur "
167 Experiment "
168 Portable "
169 Other

621.38417 Radio mesurements and standardization
171 General questions
2 **General methods and apparatus**
22 Uses of electron tubes in radio mesurements
25 Shielding and grounding
26 High frequency bridge
27 Use of high frequency oscillograf
28 Use of beat notes
282 Beat indicators
3 **Special methods**
32 Resonance 34 Null
33 Harmonic 35 Substitution
5 Frequency Wave length
172 Capacity
173 Inductance
174 Resistance Deerement Power loss
175 Current
176 Voltage
177 Signal intensity
178 Modulation
179 Properties of materials
Under each of following subdivisions the 01 divisions as given under 620.1 may be uzed as needed
1 **Electric insulating materials**
11 Laminated 12 Molded 13 Binders
2 **Electrolytes**
3 **Magnetic materials**
4 **Conductors**
41 Metals
Copper, tungsten etc
43 Pyroelectric
9 Other radio mesurements
18 Radio manufaeturing
182 Materials and equipment
Sources etc
2 **Raw materials** 4 **Tools Machines**
183 Factories
Location etc. Divided like 621.71–.79
184 Sales
4 **Advertizing**
19 Applications
191 Travel and navigation
2 **Land travel**
22 Railroads
Communication with trains
23 Automobiles
3 **Water travel Navigation**
Communication with ships
32 Distress signals
33 Direction finding in general
34 Radio beacons
35 Fog signaling
36 Radio compass Radio goniometry
37 Submarine
38 Life saving servis
See also 614.8 Protection of human life
4 **Air travel Aviation**
Communication with aircraft
41 General questions: radiotelefony on aircraft
42 Receiving on aircraft
43 Transmitting from aircraft
44 Receiving from aircraft
45 Transmitting to "

621.384192 Commercial and industrial servises
- 1 **General traffic**
  - 11 Codes and cyphers
    - 115 Speed of code reception
  - 12 Station call letters
  - 13 Abbreviations
  - 14 Alfabets
    - Morse, continental, international
  - 15 Relations with land lines
  - 16 " " cables
  - 17 Rates
- 2 **Pres servis**
- 6 **Industrial servises**
  - 62–699 divided like 620–699, e.g. 621.384192622 Radio applied to mining. For industries not included in 620–699 uze 621.38419261 divided like main clasification

193 Broadcasting
- 1 **General questions**
  - Standard waves, etc
- 8 **Types of material broadcast**
  - Divided like main clasification

194 Amateur wireless activities

195 War and police servises
- 2 **Military** 3 **Naval** 4 **Police**

196 Distant control by radio

197 Interplanetary communication

198 Radio toys

199 Other applications

2 **Wireless telegrafy**
- 21 General questions
- 25 Sistems
  - Divided like 621.38415
- 3 Instruments
  - Divided like 621.38413
- 4 Applications Adaptations Specific installations
  - Divided like 621.38419

5 **Wireless telefony**
- 51 General questions
- 55 Sistems
  - Divided like 621.38415
- 6 Instruments Apparatus Equipment
  - Divided like 621.38413
- 7 Applications Adaptations Specific installations
  - Divided like 621.38419

621.385 Telefony Systems
See also 621.3845 Wireless telefony
1 **General**
2 **Party line**
When 2 and 3 or 2 and 4 conflict, 3 or 4 prevails
22 Series
23 Bridging
24 Selectiv
3 **Intercommunicating systems**
Without central switchboard
32 Common return systems; selectiv at each station
34 Radial common return systems; selectiv at one station only
36 2-wire systems; separate returns
4 **Central switchboard systems**
Manual; for automatic see 621.3857
42 Local battery or magneto systems
46 Common battery or central energy systems
5 Multiple switchboard systems
6 Trunking Transfer systems
61 Trunking
63 Transfer systems
7 **Semiautomatic and automatic systems**
72 Semiautomatic
75 Automatic
76 Strowger system (Automatic Electric Co)
3 **Private exchanges**
.386 Telefone instruments
Terminal; subscriber's instruments
2 Transmitters
3 Receivers
4 Induction coils
5 Condensers
6 Hook or other switches
7 Call receiving apparatus
8 Call sending "
9 Miscellaneous accessories
92 Coin collecting devices
94 Protectiv devices
96 Current supply (local batteries)
.387 Central switchboards and other station equipment
1 **General**
2 **Switchboards, manual**
22 Local battery or magneto
26 Common battery
3 Multiple switchboards
35 Divided multiple
4 Trunks Transfer boards
41 Trunks and trunking
43 A boards
45 B boards
47 Multiple plug transfer
5 **Switchboard parts and accessories**

621.3876 **Power plant equipment and accessories**
- 62 Accumulators
- 63 Charging generators
- 64 Ringing "
- 7 **Automatic and semiautomatic switchboards**
  - Including accessories. Subdivided like 621.3857
- 8 **Telefone transmission**
  - For transmission common to other branches of electricity see 621.31, Put here only that peculiar to telefony
- 81 General questions
- 82 Long distance
- 83 Transposition
- 84 Telefone cable construction
- 85 Loading
- 86 Pupin coils
- 9 **Other central station accessories**
- 92 Distributing frames and racks; main
- 93 " " " " intermediate or secondary
- 94 Protectiv devices
  - See also 621.3178 and 621.3198
- 96 Meters and counters
  - See also 621.3286 Electric light meters

.388 Transmission of images Television
- 1 **General questions**
- 3 **Apparatus**
  - Divided like 621.38413
- 5 **Sistems**
- 52 Wire sistems
- 53 Wireless sistems
- 6 **Stations**
- 9 **Applications**

.389 Other electric communication

.39 Other applications of electricity

Subdivided like 600; e.g. electricity applied to mining 621.3922, applied to medicin 621.3915. This place is provided for specialists who prefer to mas all their material under 621.3. Libraries should clas rather by purpose of the application; e.g. books on electric heating wil be more useful in a general library under 697.7 with the question of heating than in 621.3997 with a general assortment of unrelated applications. References here show a library's resources on special applications

.4 Heat, air and gas engines, etc.

.41 Hot air engins

.42 Comprest or rarefied air or gas engins

.43 Internal combustion engins

.431 General theory of internal combustion engins

.432 Cycles and sistems of operation
- 1 4-cycle sistems Otto cycle
- 2 2-cycle sistems
- 3 Other and modified sistems

.433 Gas turbins

.434 Internal combustion engins clast by fuels
- 1 Engins for gaseous fuels
- 11 Engins for natural gas
- 12 " " illuminating gas
- 13 " " blast furnace gas
- 14 " " producer gas. For gas producers see 665.8
- 15 Engins for acetylene gas
- 2 Engins for liquid fuels
- 21 Engins for gasolene
- 22 " " kerosene
- 23 " " other petroleum oils
- 24 " " alcohol
- 3 Engins for solid fuels

621.436 Special engins or motors
Those not limited to a single system or fuel; e.g. description or discussion of Diesel motor. Arrange alfabeticly by name of machine
.437 Parts and accessories of internal combustion engins
.438 Special applications
3 Selfpropeld machinery
Engins for farm machinery, fire engins, roadrollers, etc. See also special machines
4 Selfpropeld vehicles
Class here only adaptation and application of internal combustion engins to motor vehicles. See also 629.25 Motor vehicle in engineering
5 Motors for small boats
6 " " large vessels
7 Airship motors
See also 629.13435 in Aeronautics
.44 Binary vapor engins
.45 Windmills
.46 Animal motors Tredmills
.47 Solar engins
.49 Power plants and central stations
.5 Pneumatic machinery Mechanical refrigeration
.51 Air compressors
.515 Dry air compressors
.517 Wet " "
.52
.53 Comprest air transmission and distribution
.532 Details of transmission Piping, mains, gages, etc. Designs of transmission
.54 Applications for comprest air
For pneumatic hoists, etc. see 621.86
.541 Comprest air motors
.542 Pneumatic tools: drills, hammers, etc.
See also 621.9 Machine tools
.543
.544 Special applications in railway servis
.545 Comprest air locomotivs
.546 Pumping by comprest air
.549 Other applications
Pneumatic cleaning, sandblasts, tubes
.55 Rarefied air and vacuum appliances
Vacuum cleaners: general discussion and description. See also domestic economy 648.52 Methods of sweeping and dusting
.56 Refrigeration
For cold storage see 664.8
.564 Refrigerating fluids
.565 Refrigerating systems and plants
1 Brine system
2 Direct expansion system
.566 Design Calculation of piping, refrigerating surface, etc.

621.57 Refrigerating machines
.572 Ammonia compression machines
.573 Ammonia absorption "
.574 Carbonic acid machines
.575 Air machines, vacuum machines, etc.
.579 Other
.58 Icemaking
.581 Can system
.582 Plate system
.6 Blowing and pumping engins
.61 Piston blowers Blast furnace blowing engins, etc.
.62 Rotary blowers
.63 Centrifugal blowers
Including fans: exhaust and plenum
.64 Power pumps and pumping engins
Regardless of motiv power
.641 General theory Design and construction
.642 Tests of pumps and pumping engins
.65 Direct acting pumps
.652 Piston pumps
.654 Plunger "
.66 Rotary pumps
.67 Centrifugal pumps
.68 Fire engins
.69 Other blowing and pumping devices
Steam jets, ejectors, etc.

621.7 Mills Factories Engineering works

Engineering questions affecting establishment and conduct of manufacturing plants. Arrangement of shops and departments (including storehouses, offises, etc.) with reference to sequence of processes, economy of power and handling; also equipment and internal arrangement of each shop. See also

651 Offis methods and equipment
657 Accounting, costkeeping, estimates
658 Business methods
659.1 Advertizing, etc.
670 Manufacturers: articles, and methods and machines for making them
725.4 Architecture of factories

In 621.7 is considerd the disposition of the material for which the architect constructs the shell, the assembling into a unit of elements essential to a great factory. A works manager may wish to keep *all* his notes on his own plant here, including machines and processes for his special product, but a general library should class manufactured articles, with the special means and methods of producing them, under the number for the article; e.g. a library would class material on spindles and looms in 677, but the manager of a woolen mill might prefer to class them in 621.7983 as an integral part of his plant, tho classification under the regular number will usually prove more satisfactory in all cases

.701 Location

With refcrence to supply of raw material, market for finisht product, shipping facilities, relativ cost of freight on material or product; e.g. the much greater cost of carrying a bulky car than an equal weight of compact raw material as a factor in locating an automobile factory

.704 Organization and administration

Managers and engineers, professional staff; artizans and laborers regarded as machine accessories; hours and shifts considerd solely with reference to effect on output. For wages and other economic aspects see 331 Capital, labor and wages; for factory legislation (protection and welfare of employees) see 338.9. For organization of clerical force, see 651

.705 Mechanics and laborers

.71 Drafting room

.711 General
.712 Arrangement
.713 Equipment
.714 Materials and supplies
.715 Methods and processes
.719 Other

.72 Woodworking shop Pattern shop

May be subdivided like 621.71

.73 Forge shop

May be subdivided like 621.71

.74 Foundry

May be subdivided like 621.71

.75 Machine shop

May be subdivided like 621.71

.76 Blast furnace

May be subdivided like 621.71

.77 Rolling and drawing mills

May be subdivided like 621.71

.78

521.79 Other shops and departments
.792 Boiler and sheet metal shops
Stamping and punching May be subdivided like 621.71
.794 Special process shops
Galvanizing, plating, etc. May be subdivided like 621.71
.795 Finishing shop
Painting, glazing, grinding, buffing, testing. May be subdivided like 621.71
.796 Storehouses
2 Materials and supplies
4 Explosivs
6 Products Shipping department
.798 Department turning out main product
Processes and machines Varying for different kinds of factories and provided only for factory use, see note to 621.7. Libraries should leav vacant May be subdivided like 621.71
.799 Other minor shops and departments

.8 Principles of mechanism Power transmission Hoisting and conveying machinery
.81 General Principles of mechanism Machine design
.82 Journals, shafting, etc.
.821 Journals
.822 Bearings: ball, roller, etc. Hangers Bearing metals
.823 Shafting
.8235 Flexible shafting
.825 Couplings and clutches Universal joints
Friction clutches
.826 Shaft brakes
.83 Tooth gears and cams
.831 General: theory, forms of teeth, tooth curvs
.832 Efficiency of gears Tests Friction of gears
.833 Design of gears
1 Spur gears
2 Bevel and skew bevel gears
3 Worm and spiral gears
Screws for transmitting motion, endless screws
.834 Construction: gear cutting and casting
.835 Chain gearing
.837 Ratchet gearing: pawls, dogs
.838 Cams
.84 Valv motions and gears Pistons
General, trade catalogs; for special valvs see subject
.846 Valvs and cocks
.85 Machinery and mill gearing
Class here transmission by flexible connections
.852 Belt connection
.853 Hemp rope transmission
.854 Wire rope
.856 Pulleys Sheavs
.858 Friction gearing

621.86 Hoisting and conveying machinery and apparatus
For dredges see hydraulic engineering, 627.7 Dredging, dredging machinery
See also 621.26 Hydraulic machinery; 621.18378 Fuel and ash conveyers

.861

.862 Hoists: blocks and tackle

.863 Mechanical tackle Chain blocks

.864 Winches Capstans Windlasses

.865 Power shovels

.867 Conveyers Telferage

2 Pipes Piping

4 Belt or bucket conveyers

5 Belt: moving sidewalks

6 Bucket: escalators, moving stairs

9 Other conveyers: cash carriers, etc.

.868 Telfers

4 Selfpropelling

.869 Other: jacks, etc.

.87 Cranes and elevators

.871

.872 Derricks

.873 Revolving cranes
621.873–5 may be subdivided like 621.8771–5 by kind of power if wisht; e.g. 3 Steam 4 Hydraulic 5 Electric

.874 Traveling cranes

.875 Locomotiv cranes

.876

.877 Elevators

1 Handpower

2 Belt driven

3 Steam, gasoline

4 Hydraulic

5 Electric

6

7 For special purposes

71 Passenger elevators

72 Freight "
For mines see 622.67–.68

73

74 Dum waiters Book lifts
Lifts for small objects

8 Apparatus

81 Car and guides

82 Power transmitting devices

83 Counterbalancing weights and guides

84 Control devices

85 Safety "

86 Accessories

621.88 Fastenings
.882 Screws and bolts Systems of screw threds
For screws for transmitting motion see 621.8333
.883 Keys and cotters
.884 Rivets Design of riveted joints
.89 Friction Lubrication Lubricants
.9 Machine tools
Manipulation Discussion and catalogs of different kinds and makes of metalworking tools. For woodworking tools, see 674 Wood manufactures; also 684 Cabinet making, 694 Carpentry, 736 Wood carving
.91 Planing and milling machines
.912 Metal planers, shapers, and slotters
.92 Grinding and filing Abrasivs Crushers
.922 Cylinder and surface grinding machines
Lapping machines
.923 Emery wheels
.924 Filing machines
.93 Cutting and sawing
.931
.932 Metal sawing and cutting machinery
.94 Turning
.941
.942 Metal turning lathes
.943
.944 Pipethreding machines
.945 Boring mills
.95 Perforating machinery
.951
.952 Drilling machinery **Drills**
.953
.954 Reamers
.955 Tapping machines
.96 Punching and shearing machinery
.97 Hammers Riveting tools
.98 Bending, straightening, and shaping
.981
.982 Bending machinery
.983 Straightening machinery
.984 Flanging and die press machinery
.99 Other

622 Mining engineering. See also 338.2 Mining products; 332.418 Coin age metals

May be subdivided like 620 and 620.0; e. g. Societies, 622.06; Reports, 622.009

.1 Exploration and Prospecting

.11 Theory. Applied Geology, etc.

.12 Prospecting. Practical Methods.
Including Divining Rods.

.13 Mineral Surveys.

.14 Mine Surveying.

.15 Magnetic Surveys.

.16 Theory of Faults. See 551.87 and 553.19

.17

.18

.19 Mining Prospectuses. See 553.

.2 Practical Mining.

.21 Excavation.

.22 Quarrying.

.23 Drilling and Blasting.

.24 Deep Boring.

.25 Shaft Sinking.

.26 Tunneling and Drifting.

.27 Stoping.

.28 Timbering. Masonry lining. See also 622.56.

.3 Working of Mines. Exploitation.

.31 Open Workings.

.32 Hydraulic Mining and Sluicing.

.33 Mining coal and other organic ores
Divided like 553.2, e.g. 622.335 Anthracite coal mining, 622.338 Petroleum extraction

.34 Metal mining

.341 Iron

.342 Gold and silver

1 Gold 2 Silver

.343–.349 divided like 553.43–.49, e.g. 622.343 Copper mining

.35 Working thick deposits Building stones
Divided like 553.5, e.g. 622.352 Granit quarrying. See also 622.22 Quarrying in general

.36 Mining salt and earthy economic minerals
Divided like 553.6, e.g. 622.363 Salt mining

.37 Extracting minerals from mineral waters
Divided like 553.7, e.g. 622.374 Sulfuric

.38 Mining gems and ornamental stones

.39 " other economic minerals

622.4 Ventilation and lighting of mines
- .41 Theory Gases met with, etc.
- .42 Natural ventilation
- .43 Furnaces Steam jets, etc.
- .44 Fans See 621.62
- .45 Airways Stoppings Regulators
- .46 Mesurement of ventilation
- .47 Lighting Safety lamps, etc.

.5 Drainage
- .51 Theory of infiltration of water
- .52 Natural drainage
- .53 Cornish pumps See 621.6
- .54 Steam pumps See 621.64
- .55 Hoisting of water
- .56 Dams and watertight linings See also 622.28, Timbering
- .57 Acid waters

.6 Extraction Hoisting and transportation
- .61 Handling mineral in working place
- .62 Underground roads
- .63 Mine cars Trams, etc.
- .64 Gravity roads and planes
- .65 Tramming and animal haulage See 625.7
- .66 Mechanical haulage
- .67 Hoisting engins Drums Ropes Whims
- .68 Cages Skips Buckets
- .69 Surface transportation
  Including mineral roads, wire ropeways, transhipment, loading and unloading, etc.

.7 Mechanical preparation Ore dressing
- .71 Theory Preliminary operations
- .72 Hand dressing
- .73 Crushing Stamping engin
- .74 Screening
- .75 Jigging Ore concentrators
- .76 Slime treatment
- .77 Magnetic separation
- .78 Coal washing
- .79 Dressing works

.8 Dangers and accidents See also 613.6 Hygiene; 331.82 Laboring classes
- .81 Explosions of firedamp
- .82 Mine fires
- .83 Crushing and fall of ground
- .84 Flooding of mines
- .85 Accidents to miners
- .86 Rescue and relief
- .87
- .88
- .89

623 Military and naval engineering

For military and naval science, maneuvers, strategy and tactics see 355–359

SUMMARY

623.1 Fortifications: field and permanent
.2 Siege operations: mines, etc.
.3 Defensiv operations
.4 Ordnance and projectils
.5 Gunnery
.6 Military roads and bridges
.7 Military signals: telegraf, ballooning, etc.
8 Naval architecture
.9 Armor Torpedoes, etc.

.1 Fortifications: field and permanent

.11 Principles of fortification

.111 Profiles

.112 Plans

.113

.114 Defilading

.115

.116 Details: bastions, curtains, glacis, etc.

.117 Accessory defenses

Flanking defenses; outworks, palisades: moats, obstacles, etc.

.12 Construction of permanent fortifications

.122 Earthwork

.123 Masonry: concrete

.124 Armor

.13 Systems of forts

.131 Central fort

.132 Citadel

.133 Fortified positions

.134 Barrier forts

.15 Temporary fortifications Field works

19 Special forts

Divided like 930–999; e.g. history of the fortress of Gibraltar 623.19468

2 Siege operations Mines

Class here only engineering operations. For conduct of sieges, see 355.44

.21 Siege works

Investment, establishing camps

.22 Circumvallation and countervallation

.23 Establishing parallels and advancing batteries

.24 Zigzags Saps

Trenching, blindage, gabionades

.25 Breaching batteries Breaches

For assaults see 355.44

.26 Land mines and torpedoes

See also 623.95 Submarine torpedoes

.27 Other means of demolition

Firing and exploding devices

623.3 Defensiv operations

For maneuvers see 355.44

.34 Defense of trenches

.35 " breaches

.36 Countermines .38 Air raid defenses

.4 Firearms, ordnance and projectils Arsenals

Including ammunition in general and fireworks. For manufacture of explosivs see 662. For general history of war customs and wepons, and of ancient engins of war see 399. Class here wepons for gunpowder and similar explosivs

.41 Artillery material

Clast according to use

.412 Field artillery material

413 Mountain " "

414 Landing " "

.415 Siege " "

.416 Fortress " "

Including large guns (fortress, coast and naval) considerd together

.417 Coast artillery material

.418 Naval " "

.42 Guns

.421 Guns according to form and construction

See also 623.5 Gunnery; 623.47 Gunmaking

1 Early forms: bombards, culverins, etc.

For blunderbuses and other early forms of small arms see 623.441

2 Guns proper or long cannon

3 Short cannon or howitzers (shell guns)

4 Mortars

5 Guns made in a single piece

6 Bilt up guns

61 Hoopt guns

62 Jacketed guns

63 Hoopt and jacketed guns

64 Wirewound guns

.422 Guns according to mode of loading and operating

1 Muzzleloading guns

2 Breechloading "

3 Rapidfire guns

4 Machine "

42 Multiple tube guns

Gatling guns, Hotchkiss revolving cannon

43 Single tube guns

5 Automatic and semiautomatic guns

Hotchkiss, Maxim, Colt

.423 Form and interior arrangement of guns

1 General plan

2 Outside form

3 Hooping

4 Jacketing

5 Bore

6 Rifling

7 Chamber

623.424 Breech and firing mechanisms
1 Breech closing apparatus
11 Block
12 Wedge
13 Screw
2 Firing apparatus Vent Vent bushing Firing pin
3 Safety apparatus: gas checks, etc.
.425 Sighting attachments
For detacht apparatus, see 623.462
1 Backsight, sliding notch, eyehole, etc.
2 Sight Foresight
.43 Mounts and carriages
Including their parts and accessories
.431 Field and mountain mounts and carriages
1 Field mounts
2 Mountain mounts
3 Machine gun mounts
4 Caissons and limbers
5 Ammunition chests
6 Battery carriages (i. e. tenders)
.432 Siege mounts and carriages
1 Siege gun mounts
2 Howitzer mounts
3 Mortar mounts
4 Siege carriages (i. e. tenders)
.433 Fortress, coast and naval mounts
For accessories see 623.435
1 Casemate mounts
Pedestal and pivot mounts
2 Barbet mounts
3 Disappearing mounts
4 Turret mounts
.434 Naval mounts
For discussion limited to naval use
.435 Mechanism of mounts
Platforms, circular pintle block and pivots
1 Checks and transoms
2 Chassis and crosshed slides
3 Mechanism for maneuvering and going into battery: wheels, trucks, rollers
4 Sighting apparatus
5 Recoilchecking mechanism Breeching Vent plug
6 Recoil mechanism Brakes
61 Automatic friction recoil checks
62 Screw brakes
63 Hydraulic brakes
64 Pneumatic "
65 Trail spades
7 Reactionary mechanism
Devices for restoring guns to firing position after recoil
71 Spring recuperators
72 Pneumatic recuperators

623.436 Maneuvering appliances
1 Levers, handspikes, roller handspikes
2 Breeching tackle
3 Shot barrows, shell barrows
4 Projectil hoists
See also 621.86 Hoisting and conveying machinery

.44 Small arms
Mechanism and military efficiency
For small arms practis see 355.5
" manufacture of small arms see 683
" wepons prior to firearms see 399

.441 Primitiv forms of firearms
Blunderbus, harquebus, etc.

.442 Rifles, muskets, carbines, musketoons
Including also bayonet as part of the complete wepon
1 Single shot, muzzleloading
2 " " breechloading
3 Repeating rifles
31 With magazine
32 " loader
4 Automatic guns

.443 Pistols and revolvers
1 Single shot pistols
3 Automatic pistols
4 Revolvers

.444 Side arms Cutting arms
For halberds, axes, dirks, poniards, and other antiquated forms see 399
2 Swords
3 Bayonets: saber bayonets, sword bayonets
4 Lances

.45 Ammunition and fireworks
Kinds and relativ efficiency for military purposes. For details of manufacture of powder and explosivs see 662

.451 Artillery projectils
Including exploder as part of projectil
1 Spheric projectils
11 Solid shot
12 Bombs
13 Shells: early shrapnel
14 Grenades
2 Elongated projectils
22 Case shot: canister and grape
25 Elongated bullets
3 Shells
4 Modern shrapnel
5 Segment and ring shell
6 Incendiary shells
For illuminating shells see 623.45446
7 Shells with high explosiv Torpedo shells
8 Armorpiercing shells and other projectils

623.452 Powders Explosivs
See also 662.2 Powder manufacture
1 Gunpowder
2 Other powders
9 Other explosivs
.453 Fixt ammunition
.454 Exploding devices and fireworks
See also 662 Pyrotechnics, explosivs, matches etc.
1 Matches and fuzes
11 Slow matches and fuzes
12 Quick matches and fuzes
2 Exploders
21 Percussion caps
22 Primers
23 Projectil fuzes
24 " detonators
29 Other exploders etc.
3 Fireworks, bombs etc.
For torpedoes see 623.95
31 Incendiary devices
32 War rockets
33
34 Petards
35 Camouflets
4 Illuminating fireworks
41 Links
42 Torches
43
44 Signal rockets
45
46 Illuminating projectils Star shells
.455 Small arms ammunition
For powder see 623.452
1 Spheric bullets
2 Elongated bullets Minie ball
3 Cartridges Fixt ammunition
32 Jacketed bullets
35 Prohibited bullets: dumdum or expanding; explosiv
Those prohibited by Hague conference
.46 Artillery accessories
.461 Battery tools
.462 Instruments
1 Sighting apparatus: rear sight, quadrants, elevating arcs, range scales
5 Range finders
.463 Implements: rammers, swabs, levers
.47 Arsenals
Subdivide like 621.7

623.48 Preservation and care of munitions
Reception, tests, accidents
.481 Preservation
1 Magazines
2 Guns
3 Carriages
4 Small arms
.482 Reception Tests Buying
1 Inspection
2 Acceptance tests
3 Function of commissions Experimentation
.483 Accidents Explosions; preventiv mesures
1 Accidents to persons
2 " material
21 Accidents to arms
22 " in transit
Damage to boats, cars, etc.
23 Accidents to structures
.5 Gunnery
Theoretic and experimental; efficiency of artillery system as a whole. See also 'Projectils' in Relativ index following Tables
.51 Theory and strength of guns
.52
.53 Interior ballistics
Effects of powders; experiments
.54 Exterior ballistics
.55 Sighting and firing
.551 Field and mountain guns
.552 Siege guns
.553 Fortress, coast and naval guns
.554 Naval target practis
.56 Effect of projectils
.561 On living targets: impact, gases
.562 " inanimate targets
1 Earthworks
2 Masonry Concrete
3 Armor
.57 Reaction of mounts
.571 Rigid rolling mounts
.572 " sliding "
.573 Theory of braking
.574 Mechanically controld recoil
.575 Nonrecoil mounts
.58 Traction of carriages

623.6 Military roads, bridges and bildings

From the special point of view of military servis. For construction in general see 690.1 and 721; for bridges, roads and railways see 624 and 625; for seacoast walls, see 627 Hydraulic engineering

.61 Military bildings

Duplicating 725.18 for military engineers. Libraries should use 725.18 and leav 623.61–.614 vacant; for construction of fortifications see 623.1

.611

.612 Barracks

.613 Military establishments

Groups of bildings forming a unit; e.g. military schools, army posts

.614 Magazines

.62 Military roads and thorofares

See also 625.7 Construction of roads

.63 Military railways

See also 625 Railway construction

.631

.632 Destruction of tracks

.633

.634

.65 Military bridges

For permanent bridges see 624

.651

.652 Pontoon bridges

.653 Trestle bridges

.654 Other temporary bridges

.66 Bridge material

.7 Military signals Aeronautics, etc.

Special military applications of science

.71 Military topografy

Special processes and instruments. See also 526 Topografy in general

.72 Photografy

Reproductiv processes applied to military art. See also 770 Photografy

.73 Signaling Military telegrafy

.731 Visual signals: heliografs, searchlights, etc.

.732 Military telegrafy

Both wire and wireless. See also 621.382 and 654 Telegrafy

.733 Military telefony

Both wire and wireless. See also 621.385 and 654.6 Telefony

.74 Military aeronautics

For principles see 533.6 Aeronautics: for construction of airships see 629.1. Class here only military utility

.741 Machines lighter than air

.742 Free balloons

.743 Dirigible balloons

.744 Captiv balloons

.745

.746 Machines hevier than air: aeroplanes

.749 Other topics

.75 Military sanitation

Camp sites: soil, water, drainage, etc. For personal hygiene see 613.67

.77 Camouflage engineering

623.8 Naval architecture Boatbilding

Including warsbip accessorics. Class here comprebensiv works on shipbilding. Subdivide with 001–009 and 02–09 like 620. For ship design and theory see 623.81 Design; for principles of flotation see 532.3 Floating bodies

.81 General Design

Class hcre also scparate discussion of such general qucstions as flotation, displacement, stability, strength, resistance, propulsion and design; i. e. speed and power, coal endurance and steaming radius, passenger or cargo capacity, etc.

.82 Types of ships and boats

.821 Primitiv and early forms

2 **Rafts, catamarans, dugouts; galleys**

.822 Modern sailing vessels

5 **Caravels, sailing yachts, etc.**

See also 797.14 Yachting; 623.824 Power yacbts

.823 Engin driven vessels

Steam, internal combustion, electric, etc.

2 **Tugs and lighters**

4 **Ferry boats: passenger, freight and train**

.824 **Passenger and cargo vessels**

River, lake or ocean liners; power yachts, etc. For tugs, ferryboats, small motor boats, etc. see 623.823

.825 **Warships**

Fighting vessels: battleships, cruisers, gunboats, monitors, torpedo boats, submarines. For sailing men-of-war see 623.822

.826 **Other government vessels**

Transports, hospital ships, store and fuel ships (supply. food, refrigeration, ammunition ships; colliers, oilers, mineplanters, etc) repair sbips, lightships and lighthouse tenders, police boats, revenue cutters, fish commission boats, fireboats, etc.

.828 **Other power vessels**

Ships for cable laying, icebreakers, trawlers, etc. For dredges see 627.7

.829 Other boats

Flatboats, scows, ligbters, canal boats, barges, rowboats and canoes, lifeboats, surf boats

.83 Appliances peculiar to shipbilding

Model tanks and experiments, including also Froude's tests on full size ships; launching ways and launching; dry or graving docks; moldloft and scriveboard

.84 Hull and its accessories

Structural: watertight compartments; systems of construction (wood, composit, iron and steel), structural details (framing, bulkheds, etc.)
Nonstructural: joinery, nonstructural decks

.85 Hull accessories: masts and spars; rudder and steering gear; drainage, etc.

Lighting, ventilating, heating, refrigerating; electric plant and lighting for ship installation only; see also 621.3 Electric engineering
Ship fittings: doors, hatcbes, etc.

.86 Equipment and outfit

Superadded, not bilt in, but necessary for effectiv use of sbip
Sails and rigging; anchors, chains, cables, hawsers; compasses, sounding machines, speed logs; boats, rafts, life preservers, buoys
Furniture, saloon and cabin furnisbings; table and galley (kltcben) outfit. See also domestic economy, 645

.87 Propelling machinery

Vibration and balancing. For theory of propulsion see 623.81
See also 621.12 Marine engins; 621.165 Steam turbins; 621.18 Boilers

.9 **Armor and armament**

Distribution, armoring; proper higbt, etc; battery
For manufacture of armor plate sec 672 Iron and steel manufactures

.95 Torpedoes

Launching tubes and other accessories

624 Bridges and roofs Viaducts

Subdivide if wisht like 620.1–.9 and 620.0

.1 **General**

.12 Purpose

Highway, foot bridges, etc. regardless of structural type

.13

.14 Location Approaches

.15 Foundations

General works Foundations of bildings are better clast 721.1

.151 Foundation bed Nature of soil

.152 Excavation, timbering, shoring

624.153–.157 may be subdivided like 721.13–.17

.153 Material for bilding foundations

For material for superstructure see 624.01

.154 Pile foundations: general Material

.155 " " methods of sinking

.156 Platform foundations

.157 Subaqueous foundations

Processes: cofferdam, caisson, freezing

.16 Piers and abutments

Wood, masonry, metal. Subdivided like 620.1

.17 Stresses and strains

General; if limited to a special type, class with that type

.171 General Computation of stresses

.172 Loads

Ded, live or moving loads

.173 **Highway**

.174 **Railway**

.175 Wind pressure

.176 Working stresses

.2 **Girders and girder bridges**

Including floor systems; see .25 below

.21 Girders

Continuous; discontinuous or independent

.22 Solid beams

.222 **Wood**

.227 **Metal**

.23 Plate girders Lattis girders

.24 Trestles

.25 Floor systems

.27 Girder bridges

.3 **Trusses and trussed bridges**

Constructed of systems of braced girders

.31

.32 Simple truss

.33 Continuous truss

.35 Cantilever truss Balance bridge

.4 **Tubular bridges Box-girder bridge**

624.5 **Suspension bridges**
.52 Flexible Rope bridge
.53 Rigid
.55 Cables
.56 Towers or piers
.57 Anchorage
.6 **Archt bridges**
.62 Wood
.63 Masonry
Stone, brick, concrete, reinforced concrete
.67 Metal: iron and steel
.68 Hinged arch
.7 **Compound structures**
Structurally compound; e. g. plate girder and suspension, trussed arch
.8 **Movable bridges Drawbridges**
.82 Bascule: counterpoise, folding
.83 Swing: pivot, swivel, turning
.84 Lifting
Whole bridge lifted vertically
.85 Rolling
Floating; see also 624.87
.86 Aerial and other traveling bridges
.87 Pontoon bridges: floating, boat or raft
.9 Roofs
For other relations see Roofs in Relativ index

625 Railroad and road engineering
May be divided by 0 and 00 like 620. For railway operation see 656
.1 **Way and works**
.11 Route
Reconnaissance, preliminary and locating surveys; center line, grades; curvs; switchbacks
.12 Permanent way Roadbed
Earthwork: surveys, computation, classification, cuts and fills. Drainage
.13 Structures: tunnels, culverts, snowsheds
Class here general works on tunnels; see also mining 622.26
For bridges and trestles see 624; for transportation bildings see 725.3
.14 Track: ballast, ties and tieplates, strains
Including general works covering also rails and their accessories
.146 Monorail tracks
.15 Rails and accessories
Rail braces, rail joints, chairs, track bolts, nut locks, spikes
.16 Track accessories
Turnouts, switches, sidings, bumping posts; crossings; signals; turntables; ashpits, track tanks; cattle gards
.17 Road maintenance and repair Materials
.18 Road equipment
Fences, gates, platforms, track scales, yards, etc. Stations, depots, shops etc. considerd as road accessories
For stations, depots, roundhouses, etc. see 725.3
For shops see 621.7
.19 Other topics

625.2 **Trains and accessories**
Interrelations of road and rolling stock; strain and wear
For car bilding see 699 For time tables, traffic, etc. see 656

.21 Running gear
Trucks, bogies and Bissell bogies; wheels, axles, tires, balancing; axle boxes and gards; lubrication
Suspension, bearing springs

.22 Cars See also 699 car bilding
Transverse section of car and track gage
Effect of length of car in rounding curvs

.23 Passenger cars

.24 Freight and combination cars

.25 Brakes Buffers and couplings

.26 Power requirements
Length and weight of trains. Speed
See also 621.13 Steam engins; 621.3342 Electric engins; 621.43 Gas engins

.27

.28 Monorail rolling stock

.3 **Inclined and mountain railways**

.32 Funicular railways

.33 Rack railways

.4 **Elevated and underground roads, subways**

.5 **Cable roads**

.6 **Street railways, tramways**
See also 621.33 Electric traction; 625.4 Elevated and underground railways; 625.5 Cable roads; 699 Carbilding

.7 **Roads, highways, streets**
See also local government, 352.7 Streets, highways; for pavements see 625.8

.71 Road systems

.711 Rural

.712 Urban

.72 Location
Preliminary and locating surveys Grades Curvs

.73 Roadbed, foundation
Earthwork Subsurface drainage

.74 Dirt roads Crowning Drainage

.75 Surfacing Oil and other binders

.76 Maintenance and repair

.77 Trees Parkings

.78 Subsurface condits, pipes, etc.
Sewers; water, steam and gas pipes as affecting roads

.79 Other topics

625.8 Pavement
.81 Flagstone
.82 Stone blocks and brick
Including cobblestone. Requirements of paving stones
For vitrified brick see 625.87
.83 Wood pavements Corduroy, plank, blocks
.84 Concrete pavements
.85 Asfalt "
.86 Stone roads
Macadam, telford and other broken stone processes
.87 Metal, vitrified brick, reinforced blocks
For other brick pavements see 625.82
.88 Sidewalks May be divided like 625.81–.87
.888 Curbs
.89 Other topics
.9 Ship railways

626 Canal engineering
.1 Route
.2 Water supply
.3 Size and shape
.4 Locks
.5 Lifts and inclined planes
.6 Canal boats: size, shape, etc. See 623.829 Shipbilding
.7 Towing; power, etc.
.8 Irrigation canals and other irrigation works
.9 Ship canals

627 River, harbor, and general hydraulic engineering See also 624.157 and 721.17 Subaqueous foundations
.1 Rivers and valleys
River and valley improvement. Force of water, discharge, bars, etc.
.2 Harbors Breakwaters
.3 Docks Piers Quays Shipping facilities
.4 Dikes and levees, embankments
.5 Other protection and reclamation of land from tides and waves, drainage For agricultural drainage see 631.6
.6 Jetties
.7 Dredging Dredging machinery
.8 Dams
.9 Lighthouses Buoys

628 Sanitary engineering Waterworks
.01 Theories, utility .02 Compends .03 Dictionaries .04 Essays .05 Periodicals .06 Societies .07 Study and teaching .08 Polygrafy .09 History and description of sanitation and general sanitary works, divided geograficly like 930–999
.1 Water supply of towns For isolated supply see 628.7
.11 Sources of water supply
Lakes, rivers, springs, wells, and pumping
.12 Pumping vs gravitation systems
Pump well, standpipe, high servis, Holley system

628.13 Storage and servis reservoirs
.14 Condits, aqueducts, tunnels See 625
.15 Mains and servis pipes Freezing, iron, led
.16 Impurities and their removal: filter basins, etc.
.17 Public (sprinkling, fire, flushing), manufacturing, and domestic use and waste; meters
.2 **Sewerage works**
.21 Sewerage system
.211 Combined system
.212 Separate system
.213 Liernur system
.214 Shone system
.215 Berlier system
.216 Other systems
.217 Outfall
.218 Depth and alinement
.219 Grade and velocity
.22 Shape and size of sewers
.221 Stormwater flow
.222 Ordinary flow
.223 Circular section
.224 Ordinary eg shape
.225 Other eg shapes
.226 Other forms
.228 Formulas for size
.23 Ventilation of sewers
.231 Openings in streets
.232 Lamp posts
.233 Flues in houses
.234 Pipes on houses
.235 House drains
.236 Chimneys and furnaces
.237 Charcoal and chemicals to deodorize sewer gas
.238 Special mechanism
.239 Special construction
.24 Design and construction of sewers
.25 Sewer appurtenances
.251 Junctions
.252 House connections
.253 Manholes and lampholes
.254 Flushing shafts and fixtures
.255 Catch basins and inlets
.256 Traps and ventilators
.257 Valvs and penstocks
.258 Overflows and regulators
.259 Miscellaneous

628.26 River crossings
.27 Intercepting and outfall sewers
.28 Reservoirs and tank sewers
.29 Pumping stations
.3 Sewage and its disposal
.31 Physical properties of sewage
.32 Deodorization and disinfection of solids and liquids
See also 628.237
.33 Subsidence
.34 Precipitation
.341 Precipitation tanks
.342 Mixing machinery
.343 Filter presses
.344 Precipitation by salts of alumina
.345 By lime
.346 By salts of iron
.347 By other methods
.348 Disposal of sludge
.349 Miscellaneous
.35 Filtration
.36 Irrigation
.361 Broad irrigation
.362 Ridge and furrow irrigation
.363 Flatbed irrigation
.364 Subsurface irrigation
.365 Intermittent downward filtration
.366 Carriers and appurtenances
.367 Drains and drainage of sewage farms
.368 Filtration areas
.369 Miscellaneous
.37 Sewage farming Required modifications of ordinary methods
.38 Sewage manures See also agriculture, 631.8425
.39 Discharge into sea, etc.
.4 Sanitation of towns
.41 Middens and privies
.42 Pail systems
.43 Earth closet systems
.44 Domestic ashes, garbage and refuse
.45 Public urinals and latrines
.46 Street cleaning and sprinkling
.47 Pavements and subways
.48 Trees in streets and squares
.49 Manufacture of fertilizers from town wastes

628.5 Industrial sanitation

.51 Factories and trades

.511 Prevention of dust and fumes

.512 Protection of throat and eyes

.513 Protection against infection

.519 Special trades

2–99 Divided like 620–699

For trades not included in 620–699 uze 628.5191 divided like main clasification

.52 Effiuvium nuisances

.521 Situation of works

.522 Use of high chimneys

.523 Condensation in water

.524 Combustion in furnaces

.529 Special trades

2–99 Divided like 620–699

For trades not included in 620–699 uze 628.5291 divided like main clasification

.53 Smoke nuisance

.538 From steam generators

.539 From special industries

2–99 Divided like 620–699

For industries not included in 620–699 uze 628.5391 divided like main clasification

.54 Disposal of solid and liquid wastes

.541 Discharge into natural waters

Into streams, lakes, oceans

.542 Absorbing wells and burial

.543 Clarification by subsidence

.544 Chemical treatment

.545 Filtration

.546 Purification by the soil

.548 Special methods

.549 " trades

2–99 Divided like 620–699

For trades not included in 620–699 uze 628.5491 divided like main clasification

.6 House drainage

.7 Rural water supply: villages and country houses

.8 Ventilation and heating Air conditioning

This hed is chiefly for ventilation. Most matter on heating goes in 697
See also Heating, Ventilation, in Relativ index following Tables

.9 Lighting

For other relations and applications see Lighting in Relativ index

629 Other branches of engineering

.1 Automotiv industries

Air, land, water, treated together; for water craft alone see 623.8

.13 **Aeronautics**

See also 387.7 Commerce, 533.6 Physics, 623.74 Military aeronautics, 656 Transport. For full list of form divisions see Table 2 after Relativ index

.1307 **Study and teaching**

72 Reserch Experimentation

722 Laboratories Experiment stations

723 Wind tunnels Wind channels

724 Basins Water channels

725 Methods

2 **Laboratory methods General experimental methods**

3 **Wind tunnel teknic and manipulation**

78 Apparatus Instruments Equipment

Tools, machinery etc

782 General laboratory apparatus

Accelerometers etc

783 Wind tunnel equipment

9 **History and local treatment**

Including general accounts of voyages and flight records; but accounts of special voyages or records may be clast according to purpose with type of machine used, record made or special application. Divided like 940–999

.131 General questions

.132 Basic considerations

2 Aerostatics

Equilibrium, pressure and properties of stil air

3 Aerodynamics

31 **General principles and theories**

Bird flight, soaring, gliding, vortex theory, theory of similitude, etc

32 **Air flow Slipstream Burbling Turbulence**

33 **Lift Thrust**

34 **Resistance Drag**

Hed resistance, structural or parasite resistance, wing resistance

35 **Pressure**

Pressure distribution

36 **Stability Oscillations Damping**

Lateral, longitudinal, directional, dynamic, inherent stability, etc

37 **Viscosity Skin friction Boundary layer**

4 Meteorologic conditions

Visibility etc. Divided like 551.5

629.1325 Navigation Avigation
Astronomy for air pilots
51 General questions
52 Flying
Altitude, distance, duration, endurance, speed, blind, night, stunt etc flying
53 Airways Aerial routes
Atmosferic roads
54 Aerial maps Air topografy
Charts, log books, pilot guides
55 Accidents Air disasters
552 To aircraft
553 " persons
554 " cargo
558 Accident prevention
See also 614.86 Protection of travelers
56 Medical aspects
562 Physical requirements for flying
563 " examination of pilots
564 Air sickness
See also 612.27511 Physiology

133 Aircraft
If it is desired to keep all structural and other details of specific types of aircraft with those types 4–8 under each type may be divided like 629.134–.138 below
2 Lighter than air Aerostation
21 General questions
22 Nondirigible
Balloons, montgolfières, pilot balloons, ballon sonde, kite and captiv balloons
24 Dirigible Airships
25 Rigid Zeppelins
Structure airships
26 Semirigid
27 Nonrigid Blimps
Pressure airships
3 Hevier than air Aviation
31 General questions
32 Kites
33 Gliders
34 Airplanes
341 General questions
342 According to weight
343 " " number of planes
1 Monoplanes
2 Biplanes
3 Triplanes
4 Multiplanes: more than planes
344 Open or closed
345 Tandem or following planes
346 Hovering machines
347 Hydroairplanes Hydroplanes
Seaplanes, flying boats
348 Amphibians
349 Other planes
35 Helicopters Autogiros
36 Ornithopters Orthopters
37 Aviets
38 Rocket propeld aircraft
39 Other hevier than air aircraft

629.134 Construction

1 Principles of construction Design

Strains and stresses, size, volume, area, linear dimensions, shape, weight, displacement etc

2 Materials

Divided like 620.1

3 Parts and details

31 **Frame Envelop Body**

32 **Supporting surfaces and elements**

322 Gas cels Ballonets

2 Inflation materials

Hydrogen, helium, hot air, etc

323 Planes Wings Airfoils

328 Accessory elements

Trusses, struts, ribs, spars, webs, netting, wires, covering etc

33 **Control and steering surfaces and elements**

Fins, ailerons, elevators, rudders etc

34 **Carrying compartments**

Basket, car, cabin, fuselage, cockpit, seats; control compartments, instrument board; passenger, freight and baggage, engin etc compartments; methods of attachment, etc

35 **Motors**

For types of motors and motor fuels see 621.4

36 **Propellers Air screws**

37 **Rigging, bracing, longerons etc**

38 **Starting and landing apparatus**

382 Inflation and deflation apparatus

Rip panels, etc

384 Floats Pontoons Chassis Undercarriage Wheels

1 General questions

Design, method of attachment, etc

2 Floats Pontoons

3 Chassis Undercarriage

4 Wheels

5 Skids

6 Shock absorbers

7 Skis Landing gear for use on snow

385 Anchors

386 Parachutes

39 **Other**

4 Protectiv and safety devices

Waterproofing, fireprevention, safety glas, etc

5 Performance and performance calculations

Inspection

Speed, climb etc. Mekanic testing, sand-load testing, dynamic or flight testing

629.135 Equipment and fittings
For military aviation equipment see 623.74

1 Navigation equipment
See also 621.3841914 Radio equipment

12 **Automatic pilot Gyropilot**
13 **Direction finders**
14 **Hight indicators**
15 **Distance and speed indicators**
16 **Balancing and stabilizing equipment**
18 **Landing and navigation lights**
Landing flares

2 Performance equipment
3 Engin equipment
4 Electric equipment
5 Communication equipment
For radio equipment see 621.3841914; see also 629.1366 Airports
6 Photografic equipment
See also 778 Photografy
7 Personal equipment
Clothing, goggles, safety belts, oxygen apparatus, etc
8 Accessory equipment
Chronometers, temperature indicators, ballast, instrument mountings, supports, shock absorbing devices, etc
9 Other

.136 Airports Airdromes Seadromes
Landing fields, flying parks, etc

.2 Selection Location Design
3 Construction
Drainage, roads, runways
4 Structures
Hangars, sheds, offises, waiting rooms, repair shops, mooring masts, etc
5 Lighting equipment
Serchlights, flares, aerial lighthouses, etc
6 Communication and signaling equipment
See also 621.3841914 Radio
8 Fire protection

629.138 Applications

In general practis applications ar preferably clast with their subject, e.g. 387.7 Air transport. For military aeronautics see 623.74

1 General questions

Use of aircraft vs other means of transport

2 Transport servis

Clas here general engineering discussions of commercial aeronautics

22 Passenger 23 Mail post Parcel 25 Freight Express

See also 383 Postal servis

3 Political Diplomatic

Goodwil flights, etc

4 Patrol and gard duty

42 Police 44 Protection of property

43 Coast and boundary patrol

Prevention of smuggling, etc

Fire protection, forest patrol, etc

5 Exploration Survey

55 Scientific

552 Geodetic Topografic

553 Physical

For study of principles of physics

555 Geologic

1 Physiografic 3 Economic

15 Meteorologic

To determin geologic resources

557 Biologic

558 Botanic

559 Zoologic

57 Photografic

See also 778 Photografy

59 Geografic

6 Industrial

61 Medical and sanitary servis Life saving

612 Disease prevention and cure

Destruction of flies, mosquitoes etc. Servis in epidemics

613 Ambulance servis

Rescue of injured, drowning etc; rescue from fires, cold, storms etc

617 Transport of ded

62 Prospecting Mining

63 Agricultural

Crop dusting, etc

639 Fisheries Whaling

Bombing, scouting etc

69 Advertizing

Sky writing, etc. See also 659.138 Advertizing

7 Sport

Sight seeing, racing etc. See also 797.5 Aerostation

8 Interplanetary, interstellar flight

Astronautics

9 Other applications

Divided like main clasification

629.2 **Motor vehicles Automobils Mekanicly propeld highway vehicles**

For highway vehicles for separate tractors (animal or mekanic) see 684

.21 General questions

.213 Social and commercial aspects

3 **Economics**

4 **Laws Legal aspects**

42 Registration Titles Taxation Licenses

43 Traffic regulations

See also 388 Traffic laws and regulation

6 **Accidents and accident prevention**

See also 614.862 Protection of travelers

62 Fire prevention

See also 614.84 Fires

63 Insurance

See also 368 Insurance

7 **Accounting**

8 **Sales Prices**

801–88 may be divided like 658.801–.88, including Advertizing on 629.213821

89 Prices

.22 Types

.222 Passenger

2 **Private**

Vehicles for private use or ownership

3 **Public**

Buses, jitneys, taxicabs, sightseeing cars, etc

.223 Delivery

For light loads or local use

.224 Trucks

2 **Freight trucks**

For hevy hauling, moving vans, etc

3 **Dump trucks**

32 Side dump
33 End "
34 Chain hoist
35 Hydraulic

.225 Tractors

See also 621.14 Traction engins, 631.372 Farm tractors

2 **Wheel type**
3 **Caterpillar type**

.226 Trailers Sidecars

2 **Trailers**

22 2 wheel
24 4 wheel
26 Intersupporting with auxiliary wheels
27 Permanently attacht

3 **Sidecars**

.227 Bicycles, motorcycles etc

Velocipedes

1 **Unicycles Monocycles**
2 **Bicycles**
3 **Tricycles**
4 **Multicycles: quadricycles etc**
5 **Motorcycles**
6 **With 2 or more seats**

Tandems etc

.228 Special purpose vehicles

Divided like main clasification

.229 Other types of mekanicly or motor propeld vehicles

629.23 Construction

.232 Materials

Works limited to material uzed only for some special part ar best clast under number for that part

2 **Metallic materials**

22 Ferrous

23 Iron and iron alloys

24 Steel and steel "

25 Nonferrous

26 Aluminum and light alloys

27 Copper and copper "

Bras, bronz etc

28 Babbit and other bearing metals

29 Other metallic materials

May be divided like 553.4

3 **Nonmetallic materials**

31 Wood

32 Rubber

33 Glas

34 Upholstery

345 Lether

347 Textil materials

May be divided like 677

35 Paper

36 Celluloid

37 Paints, varnishes and other finishing materials

38 Friction materials

39 Other nonmetallic materials

.233 Testing and inspecting raw materials

For final inspection of finisht parts see 629.2347

2 **Instruments and equipment for testing**

3 **Methods of testing**

.234 Production Manufacture

See also 621.7 Mils and factories

1 **Methods and equipment for manufacture and assembly**

19 Machine tools

May be divided like 621.9

2 **Factory bildings and layout**

May be divided like 658.2

3 **Factory personnel**

May be divided like 658.3

4 **Pattern making Molding Foundry**

May be divided like 621.71. See also 621.72 Pattern shop, 621.74 Foundry

5 **Forging**

Hand and drop forge. May be divided like 621.71. See also 621.73 Forge shop

6 **Finishing**

Trimming, upholstering, painting, plating. May be divided like 621.71. See also 621.795 Finishing shop

7 **Inspection of parts, accessories and assemblies**

8 **Crating Storage Shipping**

9 **Other**

629.24 Chassis

Chassis includes motor, supporting frame, change speed mekanism, running gear and steering gear, but does not include body or accessories. For motor see 629.25

.242 **Frames**

2 Side and cros members
3 Subframes
4 Rivets
5 Gussets
6 Engin mountings
7 Fans and aprons

.243 **Springs**

2 Types
22 Elliptic
23 Cantilever
24 Coil
25 Platform

3 Methods of spring attachment
32 Hangers
33 Seats
34 Shackles

4 Spring action modifiers
42 Snubbers
43 Shock absorbers

.244 **Clutches** **Change speed mekanism and controls**

Transmission

2 Clutches
22 Friction clutch
23 Magnetic clutch

3 Clutch brakes

4 Transmission Gear shift
Change speed mekanism and controls
41 Planetary
42 Sliding gear
43 Mountings
44 Control springs
45 Pedals
46 Levers
47 Shift mekanism
48 Interlocks
49 Other

.245 **Rear axles and final drives**

Including mekanism transmitting power from change speed mekanism to road wheels

1 Chain drive
2 Jack shaft type
3 Propeller shaft
4 4-wheel drive
5 Driving axles Variable speed axles
Housing, hubs, shafts
6 Universal joint
7 Torque element
8 Differentials
9 Other

.246 **Brakes**

2 Rear wheel brakes
3 Front " "
4 4 " "
5 Transmission "
6 Brake control
62 Mekanic
63 Electric
64 Hydraulic

7 Brake mekanism
72 Levers
73 Cams and connecting links

8 Friction surfaces
For friction materials see 629.23238

.247 **Front axles and steering**

2 Rear wheel steering
3 Front " "
4 4 " "
5 Axles
6 Knuckles
7 Arms
8 Steering gear
Includes mekanisms from steering wheel to arms on knuckles
82 Steering wheel
83 Radius rod
84 Spindles

629.248 Road wheels

- 2 Compression wheels
  - 22 Wood
  - 23 Disk
  - 24 Stampt
  - 25 Spoke
  - 26 Cast
- 3 Tension wheels
  - In which load is supported in tension, e.g. wire wheels
- 4 Hubs and bearings
- 5 Rims
- 6 Tires
  - 62 Solid
  - 63 Pneumatic
    - Balloon tires, etc
  - 64 Fabric
  - 65 Cord
  - 66 Tubes
  - 67 Fild
  - 68 Spring and other speeial types
  - 69 Speeial treds

.25 Motor Engin

See also 621.4384 Motors for self-propeld vehicles

.251 Types

If it is desired that all material on a speeial type be kept together each type may be subdivided like .252–.259 below

- 2 Steam
  - 22 Steam engins
  - 23 " turbins
- 3 Turbin
  - Other than steam, including general discussions of turbin propeld motor vehicles
- 4 Internal combustion
  - 42 Gasolin
  - 43 Alcohol
  - 44 Gas
  - 45 Oil
    - Diesels etc
- 5 Electric
- 6 Comprest air
- 8 Roeket propulsion

.252 Motor parts

- 1 Cilinders and cilinder heds
- 2 Crank cases and bases
- 3 Pistons Rings Pins
- 4 Connecting ring bearings
- 5 Crank shaft and bearings
- 6 Fly wheels
- 7 Valvs Valv mekanisms
- 8 Manifolds Mufflers
  - 82 Manifolds
  - 83 Mufflers
- 9 Other

.253 Fuel sistem

- 2 Vaporizer
- 3 Carbureter
- 4 Fuel eontrols
- 5 " supply
  - Gravity, pressure, vacuum, pipes, supercharger s
- 6 Heaters
- 7 Air eleaners
- 8 Fuels
  - See also 629.251 Motor types, 665 Oils and gases

.254 Ignition sistem

- 1 Hot bulb
- 2 Make and break
- 3 Jump spark
- 4 Electric energy
  - Batteries, magnetos, generators. See also 621.313 Dynamo-electric machinery, 621.35 Voltaic cels and generators
- 5 Coils
- 6 Spark plugs
- 7 Timers Distributors
- 8 Ignition controls
- 9 Other

629.255 Lubricating sistem
For lubrication see 629.2874
2 Gravity feed
3 Splash
4 Force
42 Full
43 Partial
5 Lubricant supply
52 Tanks
53 Pipes
6 Purifiers
7 Lubricants
See also 665 Oils

.256 Cooling sistem
2 Air radiation
22 Direct
23 Forced
24 Induced
3 Water
32 Thermosiphons
33 Forced circulation
4 Steam and other types
5 Radiators
6 Fans and fan drives
7 Pumps
8 Cooling sistem controls

.257 Starting sistem
2 Hand
3 Compression
4 Compresst air or gas
5 Spring
6 Electric

.258 Governors
2 Valv control
3 Throttle control
4 Spark control

.259 Other

.26 Body
See also 629.22 Types of vehicles; for body accessories see 629.278

.261 Types
2 Open 3 Closed 4 Enclosures

.262 Frame
2 Sils 3 Pillars 4 Braces

.263 Paneling Seats
2 Shrouds 4 Instrument 8 Seats
3 Doors 5 Hoods

.264 Windshields Windows
2 Glas 3 Celluloid

.265 Trim
For hardware see 629.275
2 Seat and back springs
3 Upholstery
See also 629.23234 Upholstery materials
4 Floor covering
5 Arm rests

.266 Tops Side curtains
2 Frames 3 Coverings

.267 Fenders Splash gards Aprons Running boards
2 Fenders 3 Splash gards Aprons 4 Running boards

.268 Finish
Paints, varnishes, enamels, lacquers etc. See also 629.23237 Finishing materials

.269 Other

629.27 Details Accessories Parts of general manufacturing

.271 **Lighting**

See also 629.254 Ignition sistem

2 Lights
22 Hedlights
23 Auxiliary lights
24 Tail lights
25 Dome "
26 Curtesy lights
3 Beam modifiers
32 Dimmers
33 Masks
4 Reflectors
5 Focus adjusters

.272 **Tools Jacks Pumps Skid chains**

2 Tools 3 Jacks 4 Pumps 5 Skid chains

.273 **Gages Indicators Signals**

2 Gages
Oil and gasolin gages, etc
3 Indicators
Ammeters, speedometers etc
4 Signals
Horns, bels etc

.274 **Carriers**

2 Tire racks 3 Baggage carriers 4 Tool chests

.275 **Hardware**

Door locks, handles, hinges, ash trays, etc

.276 **Bumpers**

.277 **Heaters**

.278 **Body accessories**

2 Windshield cleaners
3 Speaking tubes
4 Visors
5 Ventilators

.279 **Other details and accessories**

.28 Operation Repair

.281 Touring

.282 Racing Hil climbing

2 Racing 3 Hil climbing 4 Road tests Endurance tests

.283 Passenger transportation

2 Private vehicles 3 Public vehicles

.284 Delivering Trucking Pulling

.285 Housing Garages

2 Private 3 Public

.286 Servis stations

.287 General care Large scale care

2 Washing 4 Greasing Lubrication
3 Polishing 5 Minor adjustments

.288 Individual care

May be divided like 629.287

.289 Other

.29 Other topics

630 Agriculture Agronomy

SUMMARY

631 Farmsted
632 Hindrances Protection
633 Field crops
634 Fruits
634.9 Forestry
635 Garden crops
635.9 Floriculture
636 Domestic animals
637 Dairy and dairy products
638 Useful invertebrates raised or exploited
639 Hunting, trapping, fish culture

.1 **Rural life**
Rural exodus. Improvement of country life conditions. See also 323.354

.2 **Compends**

Divided like 500; e. g. 630.23 Agricultural physics, 630.28995 Agricultural bacteriology

Only for general treatises. Those relating to a special subject ar clast with the subject: e. g. chemistry of milk 637.127

.3 **Dictionaries, cyclopedias**

.4 **Essays**

.5 **Periodicals**

.58 Yearbooks Directories

.59 Kalendars Almanacs

.6 **Societies, clubs, conferences**
Farm bureaus

.61 Official institutions; government departments

.62 Voluntary associations
Not under government control Cooperativ agriculture

.621 International (International institute of agriculture)

.624–9 Associations divided by country
Subdivided like 940–999: e. g. 630.6244 French agricultural societies; 630.6273 Patrons of Husbandry, including state and local granges; Farmers alliance, etc.
Societies of limited scope ar clast with their subjects; e. g horse breeders associations 636.106

.63 Congresses, conferences, temporary organizations

.7 **Study and teaching**
For agriculture as a school subject see 375.63; for school gardens see 372.36

.71 Instruction, schools

.711 Colleges Alfabetic; but may be subdivided like 940–999 if preferd

.712 Schools Arranged like .711 colleges

[.713 Short courses
2 Summer
5 Winter

.714 Correspondence courses

.715 Institutes Farmers institutes

.716 Courses in nonagricultural institutions

.717 Extension work
County agent, boys and girls clubs

.719 Other instruction

.72 Research work Experiment stations

.74 Museums, exhibits

.77 Special pedagogic methods

.775 Normal training classes

.79 Competitions, prizes. etc.

.9 **History and general local treatment**
Divided like 930–990

631 The farm, farmsted

SUMMARY

631.1 Farm economics
.2 " bildings
.3 " machinery and tools
.4 Land, soil, soil chemistry
.5 Farm operations
.6 Drainage and reclamation
.7 Irrigation and conservation of moisture
.8 Fertilizers
.9 Climate, roads, etc.

.09 Geografic distribution of cultivation
.091 Zones and physical regions
1 Arctic regions
2 Temperate zone
3 Tropics
4 Mountains

631.1 Farm economics

Farm and estate management

.11 Selecting and acquiring a farm

Land settlement guides
Location: nearness to market; means of communication, by water, by land (railways, highways), climate and rainfall

.112 Purchase

Cost, valuation, taxes

.113 Rent

.114 Share systems (Métayage)

See also 631.1153

.115 Systems of working a farm

1 Owner his own farmer
2 By a manager
3 Share system
From owner's point of view
See also 631.114 from worker's point of view
4 Renting
From owner's point of view
See also 631.113 from renter's point of view

.116 Scale of farm

1 Large farm
2
3 Small farm (One-man farm)

.12 Laying out farm

Locating bildings, fields, farmsteds, roads and lanes

.13

.14 Types of farms

.141 Crop farm

See 633 Field crops, 634 Fruits, 635 Garden crops

.142 Vegetable farm

See 635 Garden crops

.143 Fruit farm

See 634 Fruits

.144 Woodlands

See 634.9 Forestry

.145 Stock farm

See 636 Domestic animals; 637.113 Dairy farms

.146 Fish culture in ponds

See 639 Hunting, trapping, fishing

631.16 Finances and accounts Bookkeeping records
.17 Expenses
.171 Buying supplies Purchases
.173 Wages
.175 Insurance: bildings, stock, crop
See also Insurance business 368.
.177 Packing, shipment
For methods see 631.564
.18 Returns Selling products
Marketing
.2 Farm bildings
For architecture, see 728.67 Farm houses; 728.9 Outbildings
.21 Houses Dwellings
.22 Barns Poultry houses Stables
.23 Granaries Silos
.24 Carriage houses
.25 Machine sheds
.26 Other bildings
.27 Fences, walls, hedges
.28 Roads, bridges, etc.
.3 Farm machinery Tools, appliances, etc.
Care and repair of farm machinery. Catalogs of machinery, etc
.31 Clearing and soil working: general tools
.311 Digging tools, machines, etc.
1 Spade: turf, ditching, post, polisht-drain, longhandled garden spades
Shovel: prongd shovel For steam shovel see 621.865
Spud
2 Small tools
Trowel, for mason's trowel see 693. Dibble, dibber or dibbler. See also 631.3311 Seeders
3 Posthole digger
Posthole auger or borer. Spudding bit
4 Forks; for digging, etc. Dung-fork
For hay forks, pitchforks, see 631.3535
5 Digging machines
Spaders, rotary spaders, horse shovel, road scraper
6 Crow or crowbar
Pick. See also mining picks 622.21
Pickax, mattock, grubbing hoe, grubbing ax
7 Stump extractor or puller Stone gatherer Bush syths
.312 Plows
1 Common plow; walking plow; hand plow
2 Riding plow; sulky plow
Double plow, double-furrow plow, 2-furrow plow
Balanst plow Gang plow, multiple-furrow plow
3 Power plow
Steam plow, traction engin, stationary engin; oil or gas engin; electric

631.3124 **Reversible plow, turning moldboard plow**
Sidehil or hilside plow, turn-wrest plow, one-way plow, dril plow, also sometimes called double plow and swing plow

5 **Breaking plow**
Paring plow, sod plow, prairie plow, skim plow

6 **Pulverizing plow, stubble plow, digging plow**
Subsoil plow, mole plow

Double moldboard plow, doublebrested plow
Middle " buster " or burster, middle breaker

7 **Other special plows**
Vinyard plow
Seeding plow
Scooter
Stump jumper, or stumpjump plow
Skim colter plow
Bul-tung and calf-tung plow

8 **Disk plow**

.313 Harrows

1 **Smoothing harrows**
Bush harrows; plank-scraper; fixt and adjustable tooth, frame harrow

2 **Chain harrow**

3 **Spring-tooth harrow**

4 **Curvd knife-tooth harrow, pulverizer**

5 **Revolving harrow**

6 **Disk harrow: ful disk, cutaway**

7 **Spading harrow, scuffle harrow**

8 **Special uses**
Orchard disk harrow

.314 Rollers, etc.

1 **Rollers**
Wood, stone, metal. Hand, horse, riding, power

2 **Disk rollers**

3 **Clod crushers, clod breaker**

4 **Subsurface packer**

6 **Planker, plank drag**

.315 Hand gardening tools

1 **Hoe**
Draw, field, bayonet, garden

2 **Thrust, Dutch, push, scuffle, D hoe**

3 **Scarifier or scraper**

4 **Weeder**
Hand weeder, finger weeder, weed-hoe, weeding forceps, weeding fork, weeding iron, weeding pincers, weeding tongs

5 **Weed cutters**
Weed hook, weeding chisel, weeding shears

6 **Garden rakes: wood, iron**

.316 Cultivators

1 **Wheel hoe, hand cultivator**

2 **Horse cultivators**
Walking cultivators, horse hoe, shovel plow
Scarifier, scooter, scuffler, hasp, sweep, grubber

3 Riding or sulky cultivators
Balance frame

4 Surface or gofer cultivator
Heel scrape, scrape

5 Disk cultivator

6 Stalk cutter

631.33 Seeding and sowing machinery
.331 Seed sowers, seeding machines
1 **Broadcast sowers, seeders**
Hand machines
2 Walking
3 Riding
4 **Land and row markers**
5 **Furrow sowers** **Drils**
6 Walking
7 Riding
8 **Special sowers**
.332 Planters
1 **Hand, foot**
2 **Walking**
3 **Riding**
4 **Check rowers**
8 **Special planters**
.333 Fertilizer distributers
1 **Hand machines**
2 **Walking**
3 **Riding**
4 Liquid fertilizer
5 Pulverized "
6 Farmyard manure, manure spreders
.334 Mixt spreders
Both fertilizer and seed
.335 Propagation apparatus
Cutting benches, layering pots, etc.
.336 Transplanters
1 **Ballers**
6 **Tree conveyers**
.34 Equipment for care of plants, trees, etc.
.341 Grafting, etc. implements and material
Budding knife, grafting knife, grafting wax
.342 Pruning
1 **Shears or pruner** **Hedge trimmer**
2 **Knife or hook**
3 **Chisel**
4 **Bil hook**
5 **Ax or hatchet**
6 **Saw**
7 **Scraper**
.344 Protection and shelter
See also 632.1 and 632.9
1 **Bel glasses**
2 **Cold frames**
3 **Hot beds**
4 **Greenhouses**
5 **Forcing houses**

631.345 Supports
- 1 Vertical cords and wires
- 2 Poles, stakes, stays, props
- 3 Trellises, espaliers
  - Horizontal wires or cords
- 4 Fruit walls

.346 Receptacles: pots, boxes, etc.

.35 Harvesting

.351 Hand tools, primitiv tools
- 1 Sickle, reaping hook, gras knife, gras hook
- 2 Syth
- 3 Cradle, cradle syth

.352 Mowers
- 7 Lawn mowers

.353 Other haying implements
- 1 Hay spreders, tedders
- 2 Hay rakes, gatherers, binders, windrowers
- 3 Hay loaders
- 4 Hay stackers
- 5 Hay forks and carriers

.354 Reapers
- 1 Self binders
- 2 Harvester Combined harvester and thresher
- 3 Heders Clover heders

.355 Corn harvesters
- 1 Corn shockers
- 2 Stubble cutters
- 3 Corn pickers
- 4 Strippers
- 5 Toppers

.358 Harvesting tools for special crops
- 1 Fruits, nuts
- 3 Legumes, peas, beans, etc.
- 4 Root crops, etc.
- 5 Fiber crops: cotton, flax, hemp
- 6 Sugar cane
- 7 Other crops
- 8 Tree products
  - Maple (sap), pine (turpentine), gums, resins, gutta percha, etc.

631.36 Machinery, tools, etc. used in preparing for storage or transport

.361 Threshers, etc.

1 **Primitiv tools**
Flails, drags, wain

2 **Mechanical threshers**

3 **Huskers**

4 **Shellers**

.362 Cleaning

1 **Primitiv tools**
Shovel, siv, fan

2 **Winnowers, fanning machines**

3 **Sorters, sifters**

6 **Washers for roots and tubers**

.363 Silo machinery
Ensilage cutters

.364 Packing for transportation or storage

1 **Bundlers**

2 **Balers** **Baling presses**

3 **Bunchers**

4 **Packers: baskets, boxes**
See 631.3731

.37 Power, power transmission appliances Transport

.371 Motiv power

1 **Human power**

2 **Animal power**

3 **Water power**

4 **Windmils**

5 **Steam engins**

6 **Gas engins, oil and alcohol**

7 **Electricity**

.372 Tractors

1 **Steam**

2 **Gas, oil, alcohol**

3 **Electric**

.373 Transport appliances

1 **By carrying**
Baskets, boxes, bags, etc. handbarrows

2 **On animals backs: packs, saddlebags, etc.**

3 **Drags** **Sleds** **Stoneboats**

4 **Hand-carts, wheelbarrows**

5 **Wagons** **Chute wagons** **Drays**
Dumping wagons, hayracks, lumber wagons, trucks

6 Motor trucks

9 Other vehicles

.374 Harness Saddles

.38 Implements for care of farm animals

631.4 Land, soil
.41 Soil chemistry
Chemic properties and constitution of soil
.411 Composition according to geologic origin
.416 Inorganic chemistry
.417 Organic chemistry
.42 Analysis and experiments
Methods of investigation: chemic, mechanical
.43 Soil physics
.431 Specific weight (gravity) of soil
.432 Humidity
Water Ground water
Soil moisture: hygroscopic, capillary
Permeability Absorption
Deserts
.433 Atmosfere: air, gases
.436 Temperature
Warmth of soils
.44 Soil classification Adaptability
Alkali lands; soils for special crops, tobacco, etc.
.45 Soil fertility: maintenance, exhaustion
Reclamation Erosion
See also 631.8 Fertilizers
.46 Soil biology: fungi, microbes, ferments, sterilization
For soil inoculation see 631.8472
.47 Soil surveys
.49 History Divided like 930–999
.5 Farm operations
.51 Soil preparation and working
.511 Spading, digging, forking
.512 Plowing, subsoiling
.513 Blasting, use of explosivs
.514 Harrowing
.515 Rolling, planking
.516 Hoeing, raking, weeding
.517 Cultivating
.52 Selection, breeding, etc.
.521 Selection
1 Seed selection
2 " catalogs
3 Plant selection
4 Nursery catalogs
.522 Plant breeding
Fertilization; sterility
.523 Hybrids Crossing Creation of new varieties
Sexual, asexual; binary, ternary, quaternary
Laws of hybridation; influence of female, of male
Abnormalities
.524 Introduction of new kinds
.525 Acclimatization

631.53 Methods of plant multiplication
.531 Seeds Seedage
1 Sowing broadcast
2 Drilling, in rows
3 Planting in hils or separate seeds
7 Spores
.532 Separation of growing plant
1 Young bulbs, offsets
Bulbils, bulbules or bulblet; separation of small from parent
2 Tubers
Cutting into "sets" each with an eye
3 Division or partition of tufted growing plants
.533 Detaching of separate plants
1 Suckers, root suckers, stem suckers
2 Runners, stolons
3 Proliferous buds
.534 Layering
1 Ordinary; each shoot makes one new plant
2 Multiple, serpentine, or trench
3 Mound or stool layering
See also 631.5323
4 Circumposition, potted, aerial, air or Chinese layering
6 Layering trees and shrubs
7 " vines
.535 Cuttings
1 Choice of cutting
2 Preparation for planting
3 Planting
4 Branch or stem cuttings
5 Short cuttings: cuttings of single eye or bud
6 Root cuttings
7 Leaf and bulb scale cuttings
.536 Transplanting
For grafting and budding see 631.54
.537 Nurseries
For nursery catalogs see 631.5214
.538 Renewal of orchards, vinyards etc.
Renovating, reinvigorating
.54 Caring for plants
For protection against injuries, see 632
.541 Grafting
General teknic. Effect on fertility; on fruit. Overgrafting
For bridge grafting, sometimes called bark grafting, with reference to repairing injuries, see 632.8
1 Selection of stock and scion, affinity
2 Age and season
3 Methods of grafting Scion grafting
31 Cleft grafting
32 Splice " Whip grafting Tung grafting
33 Slip " Wire "
34 Saddle "
35 Veneer "
36 Bark "
In England and France called crown grafting, see 631.54142: and sometimes used to mean bridge grafting, see note under 631.541
37 Herbaceous grafting Green grafting

631.5414 Grafting according to position of scion
41 Root grafting
42 Crown "
See also 631.54136, note
43 Stem grafting (on main stem or trunk)
44 Top " (in top or branches)
5 Bud grafting Budding
Formerly called inoculation Flute grafting
6 Grafting by approach, inarching
7 Binding and protecting grafts
8 Indoor grafting

.542 Pruning
1 Winter pruning
11 Theories of pruning
12 Methods of pruning
13 Heading in
14 Thinning of branches
15 Scraping
17 Time to prune
2 Summer pruning Work on green wood
21 Pinching in
22 Nipping off buds
23 Clipping
24 Ringing, girdling
27 Thinning fruit
3 Trimming (to secure definit shape)

.543

.544 Protection and shelter
1 Bel glasses
2 Cold frames
3 Hotbeds
4 Greenhouses
5 Forcing houses
6 Unheated houses

.545 Retardation

.546 Training
1 Vertical, poles, stakes, cords
3 Espalier or trellis training
4 Wall training
5 Arbor training
6 Cordon training

.547 Stages of plant growth
1 Seedling
2 Increase, growth
3 Maturity
4 Flowering
Pollination; fertilization; pollen setting
5 Fruitage
6 Ripening

631.55 Harvesting

These numbers treat of the material operations of harvesting. Class anything about a definit crop under its special number; e. g. 633.11 Wheat crop. See also 631.56 for preparation of crop for market, 636.085 for preparation of food for cattle, etc. For farther preparation of agricultural products not usually done by the farmer at the present day, see the various divisions of commerce, technology and manufactures

.552 Mowing
.553 Hay making, stacking, etc.
.554 Reaping
.555 Corn harvesting
.556 Harvesting other special crops

For cutting and felling trees see 634.9 Forestry

1 **Fruits, nuts, etc.**
3 **Legumes: peas, beans, etc.**
4 **Root crops and tubers**
5 **Fiber crops: flax, hemp, cotton picking**
6 **Sugar cane, etc.**
7
8 **Saps, gums, resins, etc.**
9 **Other crops**

.56 Operations subsequent to harvesting

See note under 631.55

.561 Preparing grains
2 **Threshing, etc.**
3 **Husking corn, etc.**
4 **Shelling corn**

.562 Cleaning, etc.
2 **Winnowing**
3 **Sorting, sifting**
6 **Washing (roots, tubers, etc.)**

.563 Storing

Cutting green fodder and filling silos

.564 Packing
2 **Baling**
4 **Packing in baskets, boxes and barrels**

.565 Transport

In general libraries preferably clast under 380 or 656

.57
.58 Special methods
.581 Fallowing
.582 Crop rotation
.583 Intensiv farming
.584 Catch crop culture
.585
.586 Dry farming Deep soil culture
.587 Irrigation farming
.588 Application of special forces
1 **Electro culture**
2 **Radio "**

631.6 Reclamation Drainage
Agricultural engineering

.61 Initial operations
.611 Prairies
.612 Waste lands: rocks and bushes
.613 Hilsides: terracing
.614 Forests
.615 Marshes Swamps
.616 Lands under water Polders
.617 Deserts
See 631.7 Irrigation

.62 Drainage methods
Ditches Drains (open, coverd, tile)

.63 Drainage systems
Plans, layouts

.64 Dikes and embankments
.65 Water removal by machinery
Pumps, windmils, etc.

.7 Irrigation, water supply
Conservation of moisture. Rainfall, streams

.71 Source of water: wels, reservoirs
.72 Irrigating canals
.73 Systems of irrigation
Plans, etc.

.74 Mesure and distribution of water
.75 Cost of water
.76
.77
.78 Machinery
.79 Methods of conserving moisture
Mulching
See also 631.586 Dry farming; 631.8 Fertilizers, amendment of soils

.8 Fertilizers
.81 History, nature, uses
.811 Nutrition of plants; necessary principles
.812 Production, preparation, collection, conservation
.813 Composition
.814 Loss of fertilizing principles
.815 Economic value
.816 Use Methods of application and distribution
.817 Purchase Transport Cost
.818 Frauds Adulterations Control; legislation, inspection, analysis
.819 History Divided like 930–999

Any special fertilizer may be subdivided like 631.81: e. g.
631.8525 Economic value of bone as a fertilizer
631.8733 Composition of seaweed

631.82 Mineral amendments
.821 **Lime, gypsum, plaster**
.822 **Marl**
.825 **Sulfate of iron**
.83 Potash fertilizers
.831 **Wood ashes, vegetable ashes, burning turf**
.832 **Chlorids**
.833 **Sulfates**
.84 Nitrogen fertilizers
.841 **Ammonium salts**
.842 **Nitrates**
1 Calcium cyanamid
5 Sewage
.843 Animal industry residues: skin, etc.
Slaughter house refuse. See also 631.852 Bone
.844 **Fish**
.845 **Blood**
.846 **Tankage**
.847 Vegetable nitrogen fertilizers
Cotton seed meal, castor beans, pomace
1 **Nitrifying crops**
2 **Soil inoculation Bacteria Nitrification**
For soil conditions see 631.46. Here clas introduction of bacteria to improve the soil Difference is same as between 631.45 Soil fertility and 631.8 Fertilizers
.848 Azotin, ammonite, etc.
.85 Fosforic acid
.851 Natural rock
.852 Bone
.853 Slags
.854 Guano
.855 Superfosfates
.86 Farmyard and stable manures, etc.
Subdivided like 636; e. g. 631.862 Cow manure
.87 Vegetable manures
.871 Muck
.872 Leavs
.873 Seaweed
.874 Green manures
.875 Vegetable compost
.876 Residue from vegetable industries
.88 Fertilizer experiments
.9 Climate, roads, etc.

632 Hindrances Protection

Including blights, pests and insects injurious to either plants or animals, but material relating to diseases of animals is better clast in 619 or 636.089 and *may* attract all matter specially relating to animals

.1 **Elemental destruction Protection**
.11 Low temperature, frost, freezing
.111 Methods of protection
.112 **Warnings: wether bureau. thermometers**
.113 **Covering**
.114 **Artificial clouds**
.115 **Fires**
.116
.117
.118 Repairing damages
.12 Excessiv heat and drout
.13
.14 Hail
.15 Lightning
.16 Wind and rain
.17 Floods, inundations
.18 Fires: forest and prairie
.19 Other destructiv agents
Earthquakes, fumes, gas, etc.

.2 **Galls Cecidiology**
No subdivision at present

.3 **Bacteria and bacterial diseases**
No subdivision at present

.4 **Fungi**
Divided like 589.2. See also 632.9

.5 **Parasitic and injurious plants**
.58 Weeds
.59 Plants injurious to animals

632.6 **Injurious animals**
Divided like 590, but clas injurious insects in 632.7 insted of 632.657

.7 Injurious insects
Divided like 595.7. See also 632.9

.71 Thysanura, etc.
Bristle tails or silver fish, spring tails

.72 Orthoptera
Grasshoppers, locusts, roaches, earwigs, leaf insects. See also 632.7; for leaf hoppers

.73 Pseudoneuroptera
Dragon flies, thrips

.74 Neuroptera
Lacewing flies, caddis flies

.75 Rhynchota, hemiptera
Afids (plant lice), biting lice, cicada, scale insects, chinch bug, squash bug, mealy bug, leaf hoppers. See also 632.72 for other leaf insects

.76 Coleoptera
Beetles, flat-hed and round-hed borers, weevils, wire worms

.77 Diptera
Flies, mosquitos, gnats, midges, fleas, root maggots, Hessian fly

.78 Lepidoptera
Butterflies, moths, caterpillars, army worm

.79 Hymenoptera
Ants, bees, wasps; saw, gall, and ichneumon flies

.8 **Diseases and injuries**
Other than coverd by 632.2–.7

.9 **Means of protection**
Other than coverd by 632.1; e. g. netting and covers, screens, gards, scarecrows

.93 Plant quarantine

.94 Methods and apparatus
Spraying, dusting, fumigating

.95 Preparations and materials

.951 Insecticides
Works on insecticides for protection against special insects or insect groups may be clast in subdivisions of 632.7

.952 Fungicides
Works on fungicides for protection against special fungi or fungi groups may be clast in subdivisions of 632.4

.953 Antiseptics

.96 Natural enemies of pests
.962–9 may be subdivided like 592–9. For natural enemies not included in 592–9 uze 632.961 divided like main clasification

633 Field crops: grains, grasses, fibers, etc.

SUMMARY

.1 Cereals, grains
.2 Grasses
.3 Legumes
.4 Root crops
.5 Fiber crops
.6 Sugar plants and starch
.7 Alkaloidal plants
.8 Perfumes, spices, condiments, etc.
.9 Other plants

.1 **Cereals Grains**
.11 Wheat
.12 Buckwheat
.13 Oats
.14 Rye
.15 Corn, maize
.16 Barley
.17 Millet, sorghum, etc.
.171 Millet
.172 Panic gras
.173 Prosos
.174 Sorghum
For sweet sorghum see 633.62
.175 Broom corn
.176 Shallu
.177 Kafir, milo maize
White kafir, blackhul kafir, red kafir
.178 Durra, Jerusalem corn
Yellow milo, brown durra, white durra, rice corn, white Egyptian corn, Egyptian corn
.18 Rice
.19 Other
.2 **Forage crops: grasses**
Clas here general treatises on forage crops. Divided according to Hackel
.21 Blue gras *Poa*
.22 Orchard gras *Dactylis*
.23 Red top, bent gras *Agrostis*
.24 Timothy *Phleum*
.25 Cereal grasses Divided like 633.1 Cereals
.26 Other cultivated grasses
.261 Bermuda gras *Cynodon*
.262 *Bromus*
.263 Rye gras *Lolium*
.264 Fescues *Festuca*
.265 Oat gras *Arrhenatherum*
.266 *Paspalum*
.267 *Phalaris*

633.28 Other grasses
Clas here only such grasses as hav no specific number
Divided like Hackel in 633.21–.267

.281 *Maydeae*
Zoysieae
Tristegineae
.282 *Andropogoneae*
.283 *Paniceae*
.284 *Oryzeae*
Phalarideae
.285 *Agrostideae*
.286 *Aveneae*
.287 *Chlorideae*
.288 *Festuceae*
.289 *Hordeae*
Bambuseae

.3 Forage crops: legumes, etc.

.31 Alfalfa *Medicago*
Black medic, bur clover
.32 Clovers, berseem *Trifolium*
.33 Cowpeas *Vigna*
.34 Soybean *Glycine*
.35 Vetches *Vicia*
.36 Peanut *Arachis hypogaea*
See also edible seeds 635.659
.361 Sainfoin *Onobrychis*
.362 Kidney vetch *Anthyllis*
.363 Velvet bean *Mucuna*
.364 Japan clover *Lespedeza*
.365 Beggar weed *Meibomia* *Desmodium*
.366 Sweet clover *Melilotus*
.367 Lupin *Lupinus*
.37 Other legumes
.371 *Sophoreae*
.372 *Podalyrieae*
Genisteae
.373 *Trifolieae*
.374 *Loteae*
.375 *Psoraleae*
Galegeae
.376 *Hedysareae*
.377 *Dalbergieae*
.378 *Vicieae*
.379 *Phaseoleae*
.38
.39 Other forage crops
Cactus, sunflower

633.4 Root crops

These ar practically all also clast as vegetables in 635.1 and .2 and for convenience of correspondence the same arrangement is followd here: 633 4 divided like 635.1 and 633.49 divided like 635.2

.41 Beet *Beta vulgaris*

See also 633.63 Sugar beet

.416 Half sugar mangel

.417 Mangel and mangel wurzel

.42 Turnip *Brassica rapa*

.425 Hybrid turnip

.426 Rutabaga *Brassica campestris*

.43 Carrot *Daucus carota*

.44 Parsnip *Pastinaca sativa*

.49 Tubers and bulbs

.491 Potato *Solanum tuberosum*

.492 Sweet potato *Ipomaea batatas*

.494 Jerusalem artichoke *Helianthus tuberosis*

.5 Textil fibers, cordage, plaiting, basket, etc.

.51 Cotton *Gossypium*

.52 Flax *Linum*

.53 Hemp *Cannabis*

For other fibers known as hemp, see 633.56–.57. Brown and Indian hemp ar indefinit. For ' true Indian hemp ' see 633.567

.54 Jute *Corchorus*

.55 Ramie, China gras *Boehmeria*

.56 Other soft fibers

.561 China jute *Abutilon*

.562 Sunn hemp *Crotalaria*

Bengal, Bombay, Conkanee, false, Konkan, Madras or Salsette hemp or Travaneore flax; also incorrectly Dekkan or Ambari hemp. Jubbulpore or Jabbalpur hemp

.563 Ambari or Dekkan hemp *Hibiscus*

Kanoff and Gambo hemp. Dekkan hemp also known in market as Binlipatam jute

.564 Majagua Paritium *Hibiscus tiliaceus*

.565 Olona *Touchardia*

.566 Colorado river hemp *Sesbania*

.567 Canada (or Indian) hemp *Apocynum*

True Indian hemp; also called black Indian hemp

.57 Hard fibers

.571 Manila hemp, Abaca *Musa*

.572 New Zealand hemp *Phormium*

.573 Mauritius hemp *Furcraea*

.574 Bowstring hemp *Sansevieria*

.575 Bromelia fibers

.576 Pineapple fiber *Ananas*

633.577 Agave fibers
- 1 **Sisal, henequen** *Agave rigida*
- 2 **Ixtle, istle, tampico** *Agave heteracantha*
  - Jaumave istle *Agave lophantha*
  - Tula istle *Agave Lecheguilla;* also *A. univittata, A. caerulescens, A. Kerchoevii*
  - Palm istle *Palma samandoca, Samuela carnerosana, Palma pita, Yucca treuleana*
- 3 **Manila maguey** *Agave Cantula*
- 4 **Aloe fiber**
- 5 **Maguey fiber** *Agave atrovirens, A. collina, A. Potosina, A. Tequilana, A. vivipara*
- 6 **Zapupe** " zapupe verde ", " zapupe azul "

.58 Fibers for plaiting, basket and wicker work; ruf weaving

.581 Coir, coconut fiber *Cocos*

.582 Raffia *Raphia*

.583 Esparto, sparto gras, alfa, halfa *Stipa*

.584 Hat fibers
- Jipijapa plant *Carludovica* Panama hat fibers
- Yaraw or hat palm Inodes
- Straw, wheat, rye, barley, rice; in agricultural aspect better clast in 633.1

.585 Rushes and sedges *Juncus* *Cyperaceae*

.586 Reeds *Arundo*

.587 Bamboo

.588 Osier, willow *Salix*
- Other woods, splints, rattan

.59 Fibers for other industrial uses
- Filling or stuffing fibers, calking natural fibers: Cuba bast, etc. brush fibers, broom root, paper materials, usually better clast from agricultural standpoint with other uses of the material

.6 Sugar plants and starch

.61 Cane *Saccharum*

.62 Sorghum *Andropogon sorghum Brot. S. vulgare Linn.*

.63 Sugar beets *Beta*

.64 Maple *Acer saccharum Marsh* *Acer saccharinum Wangenh*

.65 Palm

.66 Other sugar plants

.68 Starch
- Single plants usually better clast from agricultural standpoint with other uses of these plants; e. g. wheat, corn, rice, potatoes, etc.

.7 Alkaloidal plants
- For those chiefly medicinal see 633.88

.71 Tobacco *Nicotiana*

.72 Tea *Camellia thea Link* *Thea Linn.*

.73 Coffee *Coffea*

.74 Cacao, coco, chocolate *Theobroma*

.75 Poppy (opium) *Papaver*

.76 Kola or cola

.77 Maté *Ilex*
- Brazil or Paraguay tea, Jesuits tea, yerba

.78 Chicory, succory *Cichorium*

633.8 Perfumes, seasonings, etc.

.81 Perfumery

See also 668.5

.811 Floral: rose, jasmin, violet

.812 Herbal: lavender, rosemary, geranium, patchouli

.813 Citrin: bergamot

.814 Woods: sandalwood, cedar

.815 Roots: orris, vetiver

.816 Balms and gums: myrrh, benzoin

.82 Flavoring

See also 635.7 Condimental and sweet herbs

.821 Vanilla

.822 Mints *Mentha*

.823 Wintergreen *Gaultheria*

.824 Sassafras

.825 Ginger *Zingiber*

.83 Spices

See also 664.5

.831 Allspice

.832 Cloves

.833 Cinnamon

.834 Nutmeg Mace

.84 Condiments

See also 635.7 Condimental and sweet herbs

.841 Pepper *Piper*

.842 Red pepper, paprika *Capsicum*

.843 Chili *Capsicum*, specially *c. fastigatum*

.844 Mustard

.845 Capers

.846 Horseradish

.85 Oil producing plants

Usually better clast from agricultural standpoint with the purpose for which the oil or plant is used

.86 Vegetable dyes, dye plants

.861 Yellow

.862 Blue

.863 Red

.864 Green

.87 Tanning material

Usually better clast from agricultural standpoint with the tree or plant from which the material is derived

.871 Sumac Canaigre

.88 Medicinal plants

.89 Other

.9 Other field plants

634 Fruits, orchards, vinyards, forestry

SUMMARY

.1 Pomaceous fruits
.2 Drupaceous "
.3 Citrous "
.4 Minor fruits
.5 Nut "
.6 Palmaceous fruits
.7 Small fruits
.8 Grapes
.9 Forestry

.1 **Pomaceous or pome fruits**
.11 Apple *Pyrus malus*
.12 Crab apple
.13 Pear *Pyrus*
.14 Quince *Cydonia*
.15 Medlar *Mespilus*
.16 Loquat, Japan plum *Eriobotrya Japonica*
.2 **Drupaceous or stone fruits** *Prunus*
.21 Apricot *Prunophora*
.22 Plum *Prunophora*
.23 Cherry *Cerasus*
.24 Racemose cherries: wild cherry, choke cherry, padins, sand cherry
.25 Peach *Amygdalus* or *Prunus Persica*
.26 Nectarin (variety)
.3 **Citrous fruits: orange family, etc.**
.31 Orange *Citrus aurantium*
.32 Varieties
.321 **Trifoliate** *C. trifoliata*
.322 **Mandarin, tangerine, kid glove orange** *C. nobilis*
.323 **Grape fruit, pomelo, shaddock** *C. decumana*
.324 **Kumquat** *C. Japonica*
.33 Citron group *C. medica*
.331 Citron var. *genuina*
.334 Lemon " *limon*
.337 Lime " *acida* or *limetta*
.34 Other
.341 Glycosmis *G. aurantiaca*
.342 Lime berry, bergamot lime *Triphasia trifoliata* or *aurantiola*
.343 White sapota, cochil sapota *Casimiroa edulis*
.36 Moraceous fruits Mulberry family
.37 Fig *Ficus Carica*
.38 Mulberry *Morus*
.39 Bred fruit *Artocarpus incisa*

634.4 Minor fruits

.41 Anonaceous fruits, custard apple family

.411 Sour-sop *Anona muricata* or *Asiatica*

.412 Sweet-sop, sugar apple *A. squamosa*

.413 Cherimoya; Jamaica apple *A. cherimolia*

.414 Pond apple; mamon *A. glabra* or *laurifolia*

.415 Custard apple; bullock's hart *A. reticulata*

.418 Northern papaw *Asimina triloba*

.42 Myrtaceous fruits, myrtle family

.421 Guava *Psidium*

.422 Rose apple; jamrosade *Eugenia jambos*

.423 Surinam cherry: Cayenne cherry; pitanga *Eugenia uniflora* or *Michelii*

.425 Passifloraceous fruits, passion flower family

.43 Sapotaceous fruits, star apple or sapodilla family

.431 Sapodilla, naseberry *Achras sapota*

.432 Marmalade tree or plum *Mammae sapota, Lucuma mammosa*

.433 Star apple *Chrysophyllum Cainito*

.44 Anacardiaceous fruits, cashew family

.441 Mango *Mangifera Indica*

.442 Jew plum, Pomme Cythere, sweet Otaheite apple *Spondias dulcis*

.443 Spanish plum *Spondias purpurea*

.45 Ebenaceous fruits; ebony family

.451 Kaki; Japan persimmon *Diospyros Kaki*

.452 Persimmon *D. Virginiana*

.46 Leguminous fruits; bean family

.461 Tamarind *Tamarindus Indica*

.462 St Johns bred; carob; karoub; algaroba *Ceratonia siliqua*

.5 Nut fruits Nuciculture

For wild nut trees see 634.9

.51 Walnut *Juglans*

.511 Persian or English walnut *J. regia*

.512 Black walnut *J. nigra*

.513 Japan walnut *J. Sieboldiara*

.518 Butternut, white walnut *J. cinerea*

.52 Hickory nut *Hicoria*

.521 Pecan *H. pecan*

.522 Shagbark or little shelbark hickory *H. ovata*

.523 Big or bottom shelbark hickory *H. laciriosa*

.524 Pignut *H. glabra*

634.53 Chestnut *Castanea*
.531 European chestnut *C. sativa* or *vesca*
.532 American chestnut *C. Americana*
.533 Japan chestnut *C. crenata* or *Japonica*
.537 Chinkapin *C. pumila*
.54 Filbert, hazelnut, cobnut *Corylus*
.55 Almond *Prunus*
.551 Almond *P. amygdalus*
.552 Russian almond *P. nana*
.555 Tropical almond *Terminalia Catappa*
.57 Miscellaneous nuts
.571 Litchi, Leechee *Nephelium Litchi*
.572 Ginkgo *G. biloba*
.573 Cashew *Anacardium occidentale*
.574 Pistachio *Pistacia vera*
.575 Brazil *Bertholletia excelsa*
.58 Peanuts *Arachis hypogaea*
Better clast 635.659

.6 Palmaceous fruits
Palm family and miscellaneous tree fruits
.61 Coconut, coco palm *Cocos nucifera*
.62 Date palm *Phoenix dactylifera*
.63 Oliv *Olea Europea*
.64 Pomegranate *Punica granatum*
.651 Papaw; melon papaw, melon zapote *Carica*
.652 Spanish lime Genip *Melicocca bijuga*
.653 Alligator or Avocado pear *Persea gratissima*
Aguacata, midshipman's butter
.654 Mammee apple, S. Domingo apricot *Mammea Americana*
.661 Hovenia
.662 Jujube *Zizyphus*
.663 Myrica
.664 Seagrape; shore grape *Coccoloba uvifera*
.665 Pigeon plum *Coccoloba floridana*
.666 Otaheite gooseberry *Phyllanthus distichus*
.667 Strawberry tree *Arbutus unedo*

.7 Small fruits, bush fruits and herblike fruits
Table berries
.71 Rubaceous, cane or bramble fruits *Rubus*
.711 Raspberries
1 European 2 Black cap 3 Red
.712 Oriental raspberries, wineberry, Japanese wineberry
.713 Blackberry
.714 Loganberry
.717 Dewberry
1 Northern 2 Southern 3 Pacific

634.72 Ribaceous fruits Groselles *Ribes*
.721 Currants
.722 **Garden or common currant** *R. rubrum*
.723 **Black currant**
1 European *R. nigrum*
2 American *R. Americanum*
3 California *R. bracteosum*
.724 **Buffalo, Missouri, flowering or golden currant** *R. aureum*
.725 Gooseberry
.726 **European** *R. grossularia*
.727 **American** *R. oxycanthoides*
.73 Huckleberry, blueberry, etc.
.731 Blue tangleberry or dangleberry *Gaylussacia frondosa*
.732 Black huckleberry *G. resinosa*
.734 Low or dwarf blueberry *Vaccinium Pennsylvanicum*
.735 Canadian blueberry *V. Canadense*
.736 Low or pale blueberry *V. vacillans*
.737 Swamp blueberry, high huckleberry *V. corymbosum*
.74 Miscellaneous bush fruits
.741 Juneberry *Amelanchier*
.742 Buffalo berry *Lepargyraea argentea* *Shepherdia argentea*
.743 Goumi *Elaeagnus longipes* or *multiflora*
.744 Caraunda Christ's thorn *Carissa Carandas*
.745 Cranberry bush, high or tree cranberry *Viburnum opulus*
.746 Barberry *Berberis*
.747 Elderberry
.75 Strawberry *Fragaria*
.751 Garden strawberry, pine strawberry *F. chiloensis*
.752 Hautbois strawberry *F. moschata*
.753 Alpin and perpetual strawberry *F. vesca*
.754 Scarlet or Virginia strawberry *F. Virginiana*
.76 Cranberry *Vaccinium macrocarpum*, etc.
.77 Nonwoody or herblike fruits
.771 Musaceous fruits *Musa*
.772 **Banana** *Musa sapientum*
.773 **Plantain banana, cooking banana, Adam's fig** var. *paradisiaca*
.774 Pineapple *Ananas sativus*
.775 Cactaceous fruits
1 **Prickly pear, tuna** *Opuntia tuna*
4 **Indian fig** *Opuntia ficus Indica*
7 **Barbados gooseberry, lemon vine, blad apple** *Pereskia aculeata*
.776 Miscellaneous herblike fruits
1 **Cyphomandra; tree tomato** *Cyphomandra betacea*
2 **Ceriman** *Monstera deliciosa*

634.8 **Grapes Vinyards Viticulture**
Form divisions 01–09 may be used as under 634.9 Forestry
.81 General questions
Divided like 631
.82 Hindrances Blights Pests
Divided like 632
.83 Ampelografy: grape botany Varieties
.831 Botany
Divided like 581
.835 Inheritance; degeneracy etc.
Domestication of the grape
09 **Hybrids**
092 Natural or accidental
093 Artificial
094 Direct bearers or producers
Culture without grafting and spraying
.836 Varieties
2 **By time or season**
Precocious, early, late
3 **By climate or latitude**
Northern, olive belt, orange belt, tropical
4 **By soil**
Clay, limestone
5 **By form of fruit**
Round, oblong, irregular
6 **By color of fruit**
2 White 4 Red 6 Black or blue
7 **Resistant varieties**
72 Phylloxera resistant
73 Mildew resistant
76 Varieties resisting the elements
2 Frost 4 Sun
.84 American species and stocks: nativ
.841 General questions
09 **Hybrids originating or developt in America**
For general works only. Clas a special hybrid with the wilder of its parent stocks
091 Americo-American hybrids
094–099 Vinifera-American hybrids
Divided by the number for the country, like 940–999, e.g. British-American hybrids 634.8410942
.842 Euvites
.843 Ripariae Rupestreae
1 **Ripariae**
2 Vitis riparia or Vitis vulpina
River, riverbank, riverside, sweetscented, or winter grape
209 Hybrids
Bacchus, Berckmans, Canada, Clevener, Clinton, Elvira, Empire State, Etta, Faith, Grein golden, Marion, Montefiore, Noah, Oporto, Peabody, Taylor or Bullitt
3 Vitis rubra
Red or cat grape

634.8435 Rupestreae

6 Vitis rupestris
Beach, bush, mountain, rock, sand or sugar grape

7 Vitis monticola
Sweet mountain grape

8 Vitis Arizonica
Canyon grape

.844 Cinerascentae

1 Vitis berlandieri
Fall, little mountain, mountain, Spanish or winter grape

3 Vitis cinerea
Ashy, downy or sweet winter grape

5 Vitis cordifolia or hart-leavd vitis
Chicken, fox, frost, possum, raccoon, true forest or winter grape

.845 Aestivaliae

1 Vitis aestivalis
Blue, bunch, chicken, duck-shot, little, pigeon, summer or swamp grape

109 Hybrids
Cynthiana, gold-coin, Norton, Norton's Virginia, Onderdonk or Ozark

2 Vitis aestivalis bourquiniana
Southern aestivalis
Bertrand, Croton, Cunningham, Devereaux, Herbemont, Louisiana, Poughkeepsie
Lenoir: Black Spanish, Burgundy, Warren

3 Vitis bicolor
Blue leaf, northern or northern summer grape

5 Vitis linececumii
Pinewood, post-oak, turkey grape

509 Hybrids
America, Beacon, Carman, Fern munson, Husmann, Jaeger

.846 Labruscoideae

1 Vitis Californica
California grape

3 Vitis Caribaea de Candolle

5 Vitis Coriacea
Callosa or lether-leaf grape

7 Vitis Candicans
Mustang grape

709 Hybrids
Belton, Gwyn, Sanford

.847 Labruscae: Vitis labrusca
Fox, northern fox, northern muscadine, skunk grape
Champion, Chautauqua, Colerain, Concord, Dracut amber, Early daisy, Early Ohio, Eaton, Eclipse, Eldorado, Hartford, Hicks, Hosford, King, Lucile, Lutie, McPike, Moore early, Pocklington, Vergennes, Worden, Wyoming, Wilmington red

09 Hybrids
Agawam, Aminia, Barry, Black eagle, Brighton, Brilliant, Campbell early, Canandaigua, Catawba, Delaware, Diamond, Diana, Downing, Dutchess, Eumelan, Green early, Hayes, Herbert, Hercules, Ideal, Iona, Isabella, Israella, Ives, Janesville, Jefferson, Jessica, Jewel, Lady, Lady Washington, Lindley, Martha, Massasoit, Maxatawney, Merrimac, Mills, Moyer, Niagara, Perfection, Perkins, Prentiss, Rebecca, Regal, Requa, Rochester, Rommel, Salem, Senasqua, Triumph, Ulster, Wilder, Winchell, Woodruff

634.848 Muscadiniae

1 Vitis rotundifolia

Bull, bullace, bullet, bushy, muscadine or southern fox grape

109 Hybrids

Eden, Flowers, Hopkins, James, Memory, Mish

6 Vitis Munsoniana

Bird, everbearing or Florida grape. Florida mustang grape

.849 Vitis vinifera in America

Actoni, Almeria, Bakator, Black Hamburg, Black Malvoisc, Black Morocco, Chasselas golden, Chasselas rose, Emperor, Feher Szagos, Flame Tokay, Fontainbleu, Gros Colman, Lignan blanc, Malaga, Mission, Moscatello or black muscat, Muscat Hamburg, Muscatel or white Frontignan, Palomino, Purple Cornichon, Rosaki, Rose of Peru, Sultana, Sultanina, Verdal or Aspiran blanc

09 Hybrids

Gaertner, Geneva, Goethe, Hidalgo, Highland, Hybrid franc, Kensington, Othello, Secretary, Walter

.85 Other species and stocks

Vitis vinifera is the only Old world species

.853–.859 Stocks by locality Divided like 930–999

.854 European

2 **British**

209 Hybrids

1 Americo-British hybrids

3 **German**

Affenthaler, Burgunder, Cabernet, Elbling, Heunisch, Malvasia, Muskateller, Orleans, Ortlieber, Riesling, Ruländer, St Laurent or Sundgauer, Sauvignon, Semillon, Sylvaner, Traminer, Veltliner

309 Hybrids

1 Americo-German hybrids

36 **Austrian**

Blatterl, Blaufränkisch, Blue Portuguese, Gutedel, Lagrein, Laska, Nosiola, Nossara, Peverella, Red sylvaner, Traminer or Fränkischer, Vernatsch, Wildbacher, Zierfahndler

39 **Hungarian**

Augster, Baccador, Balint or Kleinweiss, Honigler, Kadarka, Lämmerschwanz, Slankamenka, Yellow Mosler or Furmint

4 **French**

Ambonnay, Argenteuil, Cabernet, Carquebas, Chablis, Chambertin, Chasselas, Colombard, Folle blanche, Gamay, Gamay hatif, Guercy, Jacquez, Loubal, Malbec, Marsanne, Melon, Meslier, Mondeuse, Moussy, Muscadet, Picpoul, Pinot, Pinot noir, Pouilly, Red traminer, Riesling, Roussonne, St Thiery, Sauvignon, Semillon, Sylvaner, Tressalier, Valdignier

5 **Italian**

Agostenga, Alcatico, Barbera, Cannajola, Cataratto, Dolcedo, Grignolino, Malvoisie, Marzemino, Nebbiolo, Negrara, Nocera, Schiavone, Teroldigo, Trebbiano

6 **Spanish**

Alicante or Grenache, Ferra, Listan, Malvoisie, Mourvedre, Muscat d' Alexandria, Ximenes

69 **Portuguese**

Alvarelhao, Bastardo, Donzellino, Gouveio, Sercial, Touriga

94 **Swiss**

Mondeuse

.855 Asiatic

.856 African

.87 Products of vinyards

.872 Table grapes Culinary grapes

.873 Raisins

Drying, dipping

634.9 Forestry

The following expansion is based on the Forestry classification prepared by a committee of the Society of American Foresters and publisht in Journal of forestry, Feb. 1923, 21: 152–61

.901 Theory
- 1 General conception, nature and extent
- 2 Classification
- 3 Value Importance Usefulness
- 4 Nomenclature Terminology
  - For discussion only. Dictionaries and glossaries ar clast under 634.903

.902 Compends
.903 Dictionaries Cyclopedias
.904 Essays Addresses Lectures
- For *general* collections only; if, either singly or collected, they ar on a special topic they ar clast with that topic

.905 Periodicals
- 8 Yearbooks Directories
- 9 Kalendars Almanacs

.906 Associations Societies
- 1 Official organizations Government departments, etc.
  - For experiment stations see 634.9072
- 2 Unofficial organizations
- 3 Congresses Conferences

.907 Education Study and teaching
- 1 Forestry schools
- 2 Experiment stations

.908 Polygrafy Collections
.909 History and general local treatment
- .9091 Comparativ study (national practises); .9093–9 divided like 930–999

.92 Economics

.922 Forest influence: geophysic
- 2 On climate
- 3 " soil
- 4 " water resources and stream flow
- 5 " erosion
- 7 " avalanches

.923 Forest influence: social
- 2 On public helth
- 4 " ethics and morals
- 6 " esthetics
  - Better clast by general libraries in 715.241
- 62 Forest parks
- 64 City parks and shade trees

.924 Relation to industries
- Subdivided by industry like 620–699; e.g. 634.9242 Relation to mining; 634.92476 Relation to paper making. For industries not included in 620–699 use .9241 subdivided like main classification

634.925 Forest policy
- 1 **Special topics**
  - 11 Conservation Reservation
  - 12 Educational policy
    - Investigation and reserch. For experiment stations see 634.9072
  - 13 Cooperation Demonstration
    - Financial aid by public authorities
  - 14 Importance of forests
    - 142 For watershed protection
    - 143 " waterpower development
    - 145 " timber production Silvicultural policy
  - 16 Public ownership
  - 17 Use of publicly owned forest land
    - See also 634.99
    - 172 For mining
    - 173 " farming
    - 174 " grazing
    - 176 " hunting, fishing, etc.
    - 177 " recreation
      - Camping. Forest hotels and recreation centers
    - 179 " other purposes
  - 18 Government regulation of privately owned forests
  - 19 Other
- 2 **Controlling and supervizory relations**
  - For general discussions of policy. Material relating to a special locality is clast in 634.9253–9
  - 22 International policy
  - 23 National "
  - 24 State Provincial
  - 25 Minor local divisions; city, etc.
  - 26 Private ownership policy
- 3–9 **Local treatment**
  - Divided like 930–.999

.927 Forest resources
- See also 634.9094–.9099
- 2 **Resources as a whole**
  - 22 Production
  - 24 Distribution
    - 25 Exports: quantities, values, etc.
      - 251 Tarif Duties
    - 26 Imports: quantities, values, etc.
      - 261 Tarif Duties
  - 27 Consumption
- 3 **Timber**
  - May be subdivided like .9272

.928 Management
- 2 **Administration**
  - 22 Personnel and staf organization
    - 223 National
    - 224 State Provincial
    - 225 Municipal
    - 226 Private
  - 24 Business practis Accounting Bookkeeping
  - 26 Equipment
    - General. Equipment for special purpose is clast under number for that purpose

634.9283 **Organization Regulation**
Preparation of working and planting plans
32 Fundamental premises and principles
322 Increment Increase
323 Rotation
324 Cutting cycle
325 Normal forest
33 Working plans Blocks
332 Surveys: forest, timber, planting Forest reconnaissance Collecting data
333 Determining treatment methods
334 Regulating yield or cut Determining felling budget
335 Control and revision of working plans
336 Working plans for special areas
4 **Finance**
42 Valuation
422 Economic and mathematic principles
423 Investments and costs in forest production
424 Valuation of entire forests
425 " " forest soil Land values
426 " " timber or growing stock
427 Stumpage values and appraisals
428 Appraisal of damages
43 Statics Comparison of values
432 Determining forestry profits
433 " forest per cent
434 Financial tests of treatment methods
435 Comparison of forest with agrieultural values
44 Timber risks and insurance
45 " bonds
46 Forest taxation
Including tax laws
5 **Mensuration**
Determining volume of timber products and their growth and yield
52 Determining stand contents
522 Mesuring all trees
523 Using sample "
524 " " plots
525 Ocular estimation of timber stands
53 Stand growth Stand increment
531 Yield Yield tables Accident yield
532 Permanent sample plots
533 Age determination
534 Diameter growth
535 Hight "
536 Volume "
54 Standing trees mesurement
544 Diameter
545 Hight
546 Volume tables
2–5 Species
Subdivided like 634.972–.975
547 Taper tables
2–5 Species
Subdivided like 634.972–.975

634.928
548 Form factors
2–5 Species
Subdivided like 634.972–.975
55 Mesurement of feld trees
56 " " logs
57 " " lumber
58 " " other forest products
.93 Engineering
.932 Surveying
2 Land surveying
4 Topografic surveying
.934 Construction engineering Forest improvements
2 Roads
3 Trails
4 Bridges
5 Fences Hedges
6 Bildings
7 Lookout towers Special protectiv works Signaling
77 Heliograf
8 Electric construction
82 Lighting and power lines
86 Telegraf and telefone lines
.936 Hydraulic engineering
Including reservoirs, dams and condits
2 Drainage
3 Irrigation
5 Domestic waterpower development
.94 Forest botany
.942 Dendrology
Subdivided like 581: but clas Ecology in 634.646
.946 Ecology
Relation to environment. May be divided like 581.5, except for those topics specially provided for below
.947 Biologic dendrology
Relation of individual trees to environment
2 Physiografic factors Site factors
22 Light
23 Temperature
24 Precipitation
Floods, inundations
25 Humidity
26 Wind
27 Soils
273 Soil physics
274 " chemistry
277 " biology
2 Bacteria
4 Mycorrhiza
28 Water relations
Transpiration in relation to temperature, humidity, water and soil
6 Climatic effects Acclimatization and adaptation
8 Geografic distribution by species
Subdivided like 583–585
For geografic distribution by locality see 634.9093–9

634.948 Silvics
Reaction of tree aggregates to environment
2 **Forest types and site qualities**
207 Methods of study and mapping
22 Classification basis
23 Origin and development
Migration, invasion and establishment
24 Succession
25 Alternation and zonation
.949 Accessory forest vegetation
Subdivided like 580
.95 Silviculture
.952 Natural production sistems
2 **Clear cutting** **Clean cutting**
22 By strips
24 " groups
3 **Seed tree method**
Cleard except for certain seed trees
4 **Selection method**
Cutting according to age or size
5 **Shelterwood method**
Gradual removal, by partial cuttings, of the shelter or seed trees
6 **Coppice or sprout method**
7 **Coppice with standards** **Reserv sprout forest**
.953 Intermediate cuttings
2 **Improvement cuttings**
3 **Cleanings**
By animals etc.
4 **Liberation cuttings**
5 **Thinnings**
6 **Salvage cuttings** **Severance cuttings**
7 **Pruning**
.954 Marking
Scratchers, bark blazers, bark gages, tree scribes
.955 Brush disposal
Slash disposal
2 **Piling**
3 **Top-lopping and scattering**
4 **Burning**
.956 Forestation
1 **General questions**
13 Tools and equipment
2 **Seed**
22 Production and source
23 Collecting
24 Extracting Cleaning
25 Testing
26 Storing
27 Treatment of seed
Chemic etc.
3 **Direct seeding**
32 Methods
34 Protection
36 Results

634.9564 **Nursery practis**
- 42 Sowing
- 43 Fertilizing
- 44 Shading
- 45 Irrigating Cultivating Weeding
- 46 Transplanting
  - Ball planting
- 47 Control of growth
- 48 Temporary storage of stock
- 5 **Planting**
- 51 General questions
  - Sites and effect of cover
- 52 Kinds and classes of plant material
- 53 Methods of planting
- 56 Care and protection
- 58 Types of plantation
- 582 For investment
- 584 " wind breaks and shelter belts
- 585 " watershed protection
  - See also 634.925142
- 588 " shade trees, ornamental trees, etc.
  - Better clast in 715.2753
- 6 **Underplanting**
- 7 **Tree breeding**
- 8 **Introduction of species**
- 82 Exotics
- 84 Extension of range of nativ species

.96 Injury Protection
- Subdivided like 632

.97 Taxonomic forestry
- Forestry principles applied to individual tree species

.972 Important deciduous or broadleavd trees Dicotyledons
- Most important species of commerce. Arranged in order of U. S. lumber production

1 **Oak**	4 **Chestnut**	7 **Linden Basswood**
2 **Maple**	5 **Beech**	8 **Elm**
3 **Poplar**	6 **Birch**	

.973 Other dicotyledons
- Subdivided like 583

.974 Monocotyledons
- Subdivided like 584

.975 Conifer or evergreen species Gymnospermae

1 **Pine**	4 **Fir**	7 **Larch**
2 **Spruce**	5 **Cypress**	8 **Sequoia**
3 **Hemlock**	6 **Cedar**	9 **Other**

.976 Clast by special caracteristics

2	**Hardness**	3	**Weight**
22	Hard woods	32	Hevy woods
24	Semi-hard woods	36	Light woods
26	Soft woods	6	**Aromatic woods**

634.977 Mixt forests
2 or more species artificially combined in stands: e. g. pine and oak
.978 Conglomerate forests
.98 Forest product utilization
.982 Logging
2 **Economics**
25 Administration
253 Camp management
254 Camp equipment
255 Commissary Dietary
256 Sanitation
257 First aid Medical data
258 Veterinary data
3 **Machinery and tools**
4 **Log making**
42 Felling
43 Limbing
45 Bucking
5 **Transport**
52 Animal
522 Ground skidding, snaking and bunching
523 Wheeling
524 Trucking
525 Sled hauling
526 Trail chuting Trail sliding
53 Power
Steam, electricity or gas
532 Skidding and aerial tramways
534 Logging railroads
536 Tractors
54 Water
542 Rafting
543 Driving
545 Fluming and sluicing
547 Barging
55 Gravity chutes Timber slides
56 Hand logging
6 **Log sorting Grading**
.983 Rough-wood products

2 **Logs**	5 **Piling**	8 **Fuel wood**
3 **Cross ties**	6 **Posts**	9 **Other**
4 **Poles**	7 **Mine timbers**	

.984 Other lumber: by uses Forest lumber manufacture
Lumbering viewpoint only, and where affiliated with lumbering industry. Lumber manufacture in general, sawd and machined products and teknic of use ar better clast in 674

2 **Box lumber**	7 **Chemic uses of forest products**
3 **Cooperage lumber**	72 Charcoal lumber
4 **Veneering "**	73 Dry distillation lumber
5 **Shingle and shake lumber**	74 Dyewoods
6 **Excelsior lumber**	Including general works involving use of wood, bark, twigs, foliage, roots etc.

634.985 Bark products

2 Tanning barks **7 Medical barks**
5 Light-weight barks **8 Basts**

.986 Saps

2 Naval stores

22 Turpentine

See also in chemic teknology 665.3

24 Resin etc.

See also in chemic teknology 668.4

5 Rubber latex

See also rubber manufacture 678

6 Camfor

7 Food-product saps

72 Maple sap

See also 633.64

9 Other gums and resins

See also in chemic teknology 668.4

92 Spruce gum

.987 Fruits Seeds Nuts

Palm nuts

For cultivated nut trees (trees receiving individual attention) see 634.5

.989 Other forest products

1 Foliage

Pine needles eucalyptus leavs, etc.

5 Parasite utilization Abnormalities

Subdivided like 580

5127 Galls

5415 Orchids

582 Mosses

8 Wastes

82 Thinnings

83 Dry fallen timber

84 Forest litter Fertilizer Muck

.99 Other uses

See also 634.92517 Forest policy, 715.25 Landscape art

.993 Farming

.994 Forest pasture Forest grazing

8 Foliage as fodder

.996 Hunting and fishing

2 Hunting

5 Fishing

.997 Recreation uses

Camping and outdoor life. Forest hotels and recreation centers

.998 Potable water protection

.999 Farm forestry Wood lots

635 Garden crops; kitchen and market gardening

Vegetable gardening

SUMMARY

.1 Edible roots, including tubers and bulbs
.2 Tubers and bulbs
.3 Edible leavs, flowers and stems
.4 Greens, pot herbs
.5 Salads
.6 Edible seeds and fruits
.7 Condimental and sweet herbs
.8 Mushrooms, truffles
.9 Floriculture

.1 **Edible roots**
.11 Beet
.12 Turnip
Usually a field crop. See 633.42
.126 Rutabaga Swedish turnip Turnip-rooted cabbage
.127 Navew, French turnip
.128 Celeriac, turnip-rooted celery
.13 Carrot
.136 Turnip-rooted chervil
.137 Chicory
Better in 633.78
.14 Parsnip
.15 Radish
.16 Salsify, oyster plant, vegetable oyster
.166 Scorzonera, black salsify
.167 Scolymus, Spanish salsify
.2 Edible tubers and bulbs
.21 Potato
.22 Sweet potato, Spanish potato, batata
.23 Yam
.24 Jerusalem artichoke, topinamber
.25 Onion
.26 Other plants of Allium family
.261 Leek
.262 Garlic
.263 Shallot, scallion
.264 Cibol, Welsh onion (French, ciboule)
.265 Cive, chive

635.3 **Edible leavs, flowers and stems**
.31 Asparagus
.32 Artichoke
.327 Cardoon, chardoon
.33 Sea kale
.34 Cabbage
.346 Kale or borecole
.347 Collards
.348 Kohlrabi
.35 Cauliflower
.356 Broccoli
.36 Brussels sprouts
.4 Greens
.41 Spinach
.42 Chard, sea-kale beet, Swiss chard
.43 Orach, French spinach
.44 Mustard
.45 Sorrel Dock
.46 Dandelion Purslane (pusley)
.48 Rubarb
.5 Salads
.51 Bitter salads
Dandelion. See 635.46
Cardoon. " 635.327
.52 **Lettuce** *Lactuca sativa*
.53 **Celery** *Apium graveolens*
.54 **Chicory or succory** *Cichorium intybus*
Also used as pot herb and root
.55 **Endive** *Cichorium endivia*
.56 Piquant or warm salads
Clas any species or variety with its genus; e. g. bitter cress, *cardamine amara* with 635.562
.561 **Water cress** *Nasturtium officinale*
.562 **American water cress** *Cardamine rotundifolia*
.563 **Garden cress** *Lepidium sativum*
.564 **Winter cress** *Barbaria vulgaris*
.565 **Swine cress** *Senebiera coronopus*
.566 **Indian cress** *Tropaeolum majus*
For mustard see 635.44
.57 Neutral salads
Lamb's lettuce, corn salad, fetticus

635.6 Edible seeds and fruits

.61 Melons

.611 Muskmelon: cantaloup, nutmeg, winter, etc.

.615 Watermelon: preserving or " citron "

.618 Zit kwa, wax gourd

Chinese preserving melon, Chinese watermelon

.62 Squashes

.621 Summer or bush squashes

Crooknecks, scallop or pattypan, pineapple

.622 Fall and winter, or longrunning squashes

Canada crookneck, Hubbard

.623 Vegetable marrow

.624 Pumpkins

.627 Luffa, rag gourd, dishcloth gourd, vegetable sponge

.63 Cucumbers Gherkins Martynia

.64 Tomato

.646 Egplant, guinea squash, aubergine

.647 Physalis, husk tomato, strawberry tomato

.648 Okra or gumbo

.65 Legumes Beans

.651 Broad bean

.652 Kidney bean: garden, snap and string bean; haricots

.653 Lima or sugar bean

.654 Dolichos

.655 Soy or soja bean

See 633.34

.656 Peas

.657 Chick pea *Cicer arietinum*

.658 Lentils *Lens esculenta*

.659 Other legumes

Peanuts; see also forage crops 633.36

.67 Sweet corn

.677 Pop corn

.7 Condimental and sweet herbs

For the regular condiments of commerce see 633.84 and 664.8

.71 Seasoning leavs and flowers

.72 Garden mint, spearmint

.74 Flavoring for pickles, vinegar, etc.

Dil, tarragon, samfire, costmary

.75 Seeds for flavoring

Anis, coriander, caraway

.76

.77

.78 Garnishes: parsley, leaf chervil

.8 Mushrooms, truffles

635.9 Floriculture

Growing for market and marketing flowers and ornamental plants, and growing them for home, park and cemetery embellishment

Clas here works on methods of raising flowers. For study of flowers from artistic side and for their artistic effect in relation to gardens and grounds see 716.2. For botanic treatment see 580

01–09 may be used as under 634.9 Forestry

.909 History and general local treatment

Divided like 930–999

Clas descriptions of individual flower gardens in 712.6 and 716.2

.91 Economics and operations

Divide like 631

.92 Hindrances

Divide like 632

.93 Plants by life duration Species

Clas here general works on herbaceous plants

Clas under subdivisions of .93 all works on *individual* flowering plants, except trees (see 635.977) using the later hedings, which treat floriculture from other points of view, e.g. bulbs, potted plants, greenhouse plants (under several of which a single plant might appropriately appear) only for works treating the distinctiv feature in a general way or including several species which would botanicly be clast under various numbers

.931 Annuals and biennials

2 Resistance to cold

22 Tender

24 Half hardy

26 Hardy

.932 Perennials

See note under 635.933–.939

2 Resistance to cold

Subdivided like 635.9312

.933–.939 Species etc.

Divided like 583–589. It is strongly recommended that all individual families, genera and species (except trees, see 635.977) be clast here, but if preferd those which ar exclusivly either annuals and biennials or perennials, may be clast in 635.931 and .932, subdivided by 3–9 and further subdivided like 583–589

.94 Plants by means of propagation

Under each of the following subdivisions Resistance to cold may be exprest by 2, further subdivided like 635.9312

.942 Seeds

.944 Bulbs, tubers etc.

.946 Runners, layers

.948 Cuttings, slips etc.

.95 Special conditions of growth

.952 Climate

2 Tropic plants Tender plants

3 Temperate zone plants

4 Arctic plants

6 Alpine or mountain plants

8 Effect of climate on species

Subdivided like 580

9 Effect of climate by locality

Subdivided like 940–999

635.953 Season and hour of flowering
- 2 Spring
- 3 Summer
- 4 Autumn
- 5 Winter
- 7 Morning
- 8 Evening

.954 Environment as related to light
- 2 Sunny
- 4 Shady

.955 Soil
- 2 For moist soils
- 3 " dry "
- 4 " rich "
- 5 For poor soils
- 6 " chalky "
- 7 " sandy "

.96 Purpose

.962 Beds

.963 Borders or edging

.964 Gras and lawn flowers

.965 Growing plants Potted plants
- 2 House plants
  - 22 In pots, vases, water etc.
    - 222 In soil and pots
      - 223 " fiber and vases
      - 224 " water and pebbles
      - 225 " moss
    - 226 As air plants
  - 23 Flowering plants
  - 24 Vines
  - 26 Foliage plants, ferns etc.
  - 28 Bulbs, tubers etc.
- 3 For temporary decoration
  Weddings, receptions, church servises, etc.
- 5 Flower shows Exhibits

.966 Cut flowers
- 2 General use
- 3 Decoration
  Weddings, receptions, church servises, etc.
- 4 Floral designs
  Funerals etc.
- 5 Flower shows Exhibits

.967 Special kinds of gardens
- 2 Rock plants Alpine plants
- 4 Water gardens Aquatic plants
  Lake and brookside plants
- 6 Woodland (wild flower) gardens

.968 Other purposes

.969 Nurseries
- 9 Seed production

635.97 Other groupings
.972 Oldfashiond plants
.973 Everlastings
.974 Climbing plants
2 **Vines**
22 Annual vines
23 Hardy "
8 **By uses**
Ground coverers, wall coverers, etc.
.975 Foliage
For grasses see 635.9349
2 **Colord**
3 **Green**
For cactuses see 635.933471
32 Ferns
328 By uses
Living room ferns (pot ferns, basket ferns), stove ferns, conservatory and greenhouse ferns
34 Asparagus
36 Mosses
.976 Shrubs Hedges
3 **Deciduous shrubs**
32 Flowering
33 Ornamental fruiting
34 " foliage
35 Climbing
635.976352–4 may be used like 635.97632–4
4 **Evergreen**
May be subdivided like 635.9763
5 **Conservatory shrubs**
53 Deciduous
54 Evergreen
8 **Hedges**
83 Deciduous
84 Evergreen
.977 Trees
Clas here commercial raising of ornamental trees. For their use see landscape gardening 715.25. See also in agriculture 631.537 Nurseries; 634 Fruits, orchards; 634.9 Forestry
3–5 **Species**
Divided like 583–585
6 **Deciduous**
635.97762–4 may be used like 635.97632–4
7 **Evergreen**
8 **Shade trees**
83 Deciduous
84 Evergreen

635.978 By physical effects
- **2** **Color**
  - 22 White
  - 23 Violet or purple
  - 24 Blue
  - 25 Yellow
  - 26 Orange
  - 27 Red
  - 28 Pink
  - 29 Other colors
    - 295 Brown
- **3** **Odor**
  - 32 Fragrant
  - 33 Malodorous
- **4** **Feeling**
  - 44 Roughleavd
  - 45 Irritant

.98 Under glas
- .982 Greenhouses Conservatories
- .983 Hotbeds
- .984 Cold frames
- .985 Bel glasses
- .987 Forcing

636 Domestic animals Live stock

.08 Zootechny

The breeding and keeping of animals in domestication

SUMMARY

.081 Selection Economics
.082 Formation of stock, races, breeding
.083 Care
.084 Feeding
.085 Food; general questions
.086 Foods; divided like 633
.087 Other foods
.088 Utilization and training
.089 Hygiene Diseases

.081 Selection Economics, etc.

1 Selecting and acquiring stock

11 **Capture**

Of wild animals and of domesticated animals allowd to run wild.
" Round up " of western ranches

111 Capture by snares, traps, nets, etc.
112 " " wepons, guns, etc.
113 " " help of other animals, dogs, horses, ferrets, hawks, etc.

12 **Purchase Original cost**
13 Barter Horse trade
14 Standards of excellence Points
15 Soundness Imperfections Blemishes
16 Estimating age

2 Brands and branding and other marks of ownership

28 **Catalogs of brands**

3 Stock farms Ranches

31 **Descriptions of individual farms**

Alfabetic

6 Finances and accounts

7 **Expenses**
71 Supplies, food, etc.
73 Wages
75 Insurance

8 **Returns, yield, profit**
81 Weight tables
87 Stock farm catalogs
88 Catalogs of sales

636.082 Formation of stock
Races, breeding, heredity, etc.
1 Character of herd, flock, colony, etc.
11 **Species, races, breeds, strains; heredity, variation**
2 Herd books, stud books, flock books, etc.
3 Composition of herd, flock, colony
Including notes and articles about the different kinds
31 **Male**
32 **Female**
33 **Neuter** (of bees)
34 **Castrated animals**
342 Males
345 Females
35 **Young animals**
352 Males
355 Females
36 **Culling**
4 Breeding Reproduction
41 **Breeding in and in**
Line breeding. Animals closely related by blood
43 **Cross breeding**
431 Hybrid
Individuals of different species
432 Métissage
Individuals of different races
44 **Choice of parents**
45 **Generation**
451 Sexual excitement: heat, rut
452 Sex control
453 Sexual union
454 Impregnation Sterility
Fusion of male and female element
455 Gestation
456 Birth
Abortion
46 **Laying of egs**
461 Nests
47 **Incubation Hatching**
471 Natural
474 Artificial Incubators
.083 Care of animals
1 Housing
Stalls, boxstalls, pens, nests
2 Care of stables or houses
Cleanliness, bedding
3 Care of animals
Grooming, clipping
37 **Special care of young**
Brooders 636.508337
4 Care of feet Shoeing
5 Care of animals outdoors
Shepherds, watch dogs, etc. Protection from beasts of prey; pumas, foxes, etc.
6 Acclimatization
61 **Protection from cold: blankets**
62 " " **heat**
66 " " **wind and rain**
7 Care of harnesses and accouterments

636.084 Feeding
- 1 Feeding of young
  - 11 Suckling
  - 12 Weaning
  - 13 Hand or artificial feeding
- 2 General methods of feeding
  - 21 In stables, houses, etc.
  - 22 In pasture Grazing
    - 23 Mountain pastures, forests, ranches, ranges
  - 31 Special provisions: water, salt, etc.
- 4 Ordinary, rational feeding
  - 41 Rations Amount and proportion
  - 42 Kind and times of feeding
  - 45 Substitutions Variety
- 5 Feeding for special purposes
  - 51 For breeding time
  - 52 For increast production: milk, egs, etc.
  - 53 For work
  - 55 For fattening
    - 56 Forced feeding, cramming

.085 Food
Standards
- 1 Composition
  Analysis
- 2 Nutritiv value
  Digestibility; fuel value
- 3 Food experiments
- 4 Commercial value
- 5 Different kinds of food
  For individual foods see 636.086 and .087
  - 51 Fresh or green fodder
  - 52 Silage
  - 54 Dry fodder
    Hay, straw, grains
  - 57 Prepared foods
    Industrial residues Cakes of oily grain or fruit
- 6 Preparation and use of food
- 9 Adulterations of foods for animals

.086 Foods
Divided like 633
- 13 Oats
- 15 Corn
- 2 Forage crops, hay
  - 25 Straw
    - 255 Cornstalks
  - 32 Clover
  - 41 Beets

636.087 Other foods
4 **Fruits**
Divided like 634
5 **Garden crops**
Divided like 635. Use only for material not coverd by subdivisions of 633
6 **Animal food**
7 **Mineral foods: salt, condiments**
.088 Utilization and training of animals
1 For breeding purposes
2 For work
3 For production of food: meat, egs, etc.
4 For animal products
Wool, skins, fethers, etc.
6 Breaking, training, etc.
61 **To saddle, etc. for carrying purposes**
62 **To harness, for work**
66 **Special training**
661 Carrying messages
662 Hunting
.089 Hygiene, diseases, etc.
Hygiene is usually better clast 614.9, and Diseases 619
636.0891–.0898 may be subdivided like 611–618
1 Anatomy
2 Physiology
3 Hygiene
5 Remedies, materia medica
6 Diseases Diagnosis
7 Surgical operations
.1 Horse
636.108 may be subdivided like 636.08, but utilization is partly provided for under .11–.16 below
.11 Oriental horse
Arabian, Persian, Tartar, Turkish, Barb
.12 Speed horse, race horse, light type, ' hot blooded '
.121
.122 English thorobred or running horse
.127 Other European
1 **Russian Orloff trotters**
.128 American trotter or pacer
1 **Morgan**
.13 Saddle horse
Hunter; military (charger, cavalry horse, etc.), American saddle, Kentucky saddle, cob, park hack, palfrey

636.14 Coach or carriage horses
Harness horse
.142 English coach
1 **Cleveland bay**
2 **Yorkshire coach**
3 **Hackney**
.143 German coach
East Prussian or Trakehner, East Friesland, Rhenish Prussian, Mecklenburg, Schleswig, Hanoverian, Oldenburg, Holstein
.144 French coach, ' demisang '
.145 Italian: Corsican
.15 Draft horse, cart horse, hevy type, ' cold blooded '
.152 English
1 **Clydesdale**
2 **Suffolk punch or draft**
3 **Black or shire draft**
.154 French and Belgian
1 **Norman, Percheron**
2 **Ardennais**
3 **Boulonnais**
4 **Breton**
5 **Nivernais**
8 **Belgian draft, Flanders dray, Flemish horse**
.158 American draft
Conestoga
.16 Ponies
.161 Ponies for special purposes: polo
.162 Scotch, English and Welsh
1 **Shetland**
2 **Galloway**
4 **Exmoor**
5 **Dartmoor**
6 **New Forest**
9 **Welsh**
.168 American
Mustang, bronco, Indian pony
.18 Allied animals
.182 Ass: jackass, donkey, burro
Asiatic, Catalonian, Italian, Maltese
.183 Mule, hinny
.184 Zebra, quagga, etc.
.185 Zebrule, zebroid

636.2 Cattle Greater ruminants

May be divided like 636.081–.089, but for utilization use .21

.21 Uses

Subdivide like 636.088 See note above

.22 English cattle

.221 Old stocks

Forest cattle, wild white, Chillingham

.222 Beef breeds

1 **Short horns**

2 Durham

3 Teeswater

4 Lincolnshire

5 Red shorthorn

6 **Hereford whitefaced**

7 Polled Hereford

8 **Sussex**

.223 Scotch, Welsh and Irish beef breeds

1 **Aberdeen Angus**

Angus doddie, Buchan humblies, polled Aberdeen

2 **Galloway**

Blue gray

3 **West highland: Kyloe**

6 **Black Welsh**

.224 Dairy breeds

1 **Channel iland cattle**

2 Alderney

3 Jersey

4 Guernsey

.225 **Scotch and Irish dairy**

1 Ayrshire

2 Dunlop

3 Cunningham

6 Kerry

Dexter Kerry, Dexter shorthorn

.226 Dual purpose breeds

1 **Devon**

North Devon, Rubies, South Devon

2 **South Hams**

Hammers

3 **Polled Durham**

4 **Red polled**

5 Norfolk

6 Suffolk

7 East Anglian

8 **Longhorn (English)**

Dishley

636.23 German, Dutch and Swiss cattle
.232 Beef breeds
.234 Dairy breeds
1 **Holstein**
2 **Holstein Friesian**
3 **East Friesian**
4 **Oldenburg**
.235 **Dutch**
1 Dutch Friesian, Netherland, North Holland
4 Dutch belted: Lakenfelds, Lakenvelders, Veldlakers
6 **Danish**
7 Jutland
.236 Dual purpose
.237 **Swiss**
1 Brown Swiss
2 Simmental
3 Bernese
4 Spotted race
.24 French and Belgian
.242 Beef
.244 Dairy
1 **Breton, Brittany**
.245 **Belgian dairy**
1 Flamande, Flemish
2 Rosenstein
.246 Dual purpose
1 **Norman**
2 Cotentin
.27 Other European
.271 Russian
Kolmogorian
.28 Other countries
.282 American beef breed
1 **Longhorn, Texas steer**
.283 American dairy breed
1 **American Holderness, Holderness**
2 **French Canadian, Quebec Jersey**
.29 Allied animals
.291 Brahmin sacred cattle; zebu
.292 Bison family
1 **Bison; American buffalo**
2 **Cattalo**
Hybrid of bison and cow
3 **European bison**

636.293 Other bovidae

1 Bovinae

Clas here general works on bovinae, unless mainly relating to domestic cattle, 636.2. See also 636.291 Brahmin sacred cattle, zebu; 636.292 Bison family

2 **Buffalo or water buffalo** *Bubalus*

Bhains, mhains, arna, arni (Hindu)
Moonding (Sudan)
Karbo or Karbon (Malay)
Carabao (Philippines)

3 **Yak**

4 **Gayal, gaur**

5 **Musk ox**

7 **Rocky mountain goat**

8 **Antelope**

.294 Deer, reindeer

.295 Camel: Arabian, Bactrian; dromedary

.296 Other camelidae: lama, llama, alpaca

.3 **Sheep, goats Smaller ruminants**

May be divided like 636.081–.089, but for utilization use .31

.31 Uses

Subdivide like 636 088 See note above

.32 English breeds

.321 Longwool breeds (coarse wool)

1 **Cotswold**

2 **Leicester**

English Leicester, New Leicester or Dishley, Bakewell's Leicester

3 **Border Leicester**

Halfbred or Leicester-Cheviot or Cheviot-Leicester or Upland Leicester

4 **Lincoln**

5 **Kent or Romney marsh**

6 **Wensleydale**

Bluefaced Wensleydale, Wensleydale longwool, Wensleydale blueface, Teeswater

7 **Devon longwool, Southam notts, Bampton notts**

8 **South Devon or South Dum**

9 **Roscommon**

.322

.323 Shortwool breeds

Medium-wool; middle-wool; down sheep; mutton sheep

1 **Southdown, Sussex, Sussex down**

Including Underhill and Upperdown

2 **Hampshire down, improved Hampshire down, Wiltshire brook, Berkshire knot, Wiltshire hornd**

3 **Dorset down or West country down**

4 **Oxford or Oxfordshire down**

Before 1859 cald Down-Cotswold

5 **Suffolk down, old Norfolk, hornd Norfolk**

6 **Shropshire down, Morfe common**

.3241 **Dorset and Somerset horn**

2 **Ryeland or Lempster**

3 **Clun Forest, Wicklow (Irish)**

4 **Kerry Hill (Irish)**

5 **Radnor**

636.325 Mountain breeds
- 1 Cheviot
- 2 Blackfaced
  - Scotch blackface or blackfaced Scotch, Linton Forest, Lammermuir, Tweeddale, blackfaced highland
- 3 Herdwick
- 4 Lonk or Lank Lancashire blackfaced
- 5 Penistone
- 6 Limestone, Limestone Crag
- 7 Ruf Swaledale
- 8 Shetland, Orkney, Hebrides
- .3261 Derbyshire gritstone
- 2 Dartmoor
- 3 Exmoor Exmoor horn
- 4
- 5
- 6 Cornwall
- 7 Welsh mountain

.33 German and Dutch breeds Swiss

.331 Low country or marsh sheep
  - Hornless and short taild
- 1 Dutch Texel
- 4 Friesian
  - East and North Friesland, Eiderstedt, Ditmarsh, Butjading, Zealand
- 7 Northeast German
  - Vaga, Elbingen

.333 Upland sheep, heath sheep (German heidschnucken)
- 1 Pomeranian or Polish, Mecklenburg (Spiegelschaf)
- 2 Hessian
- 3 Bavarian or Zaupel Franconian (Frankenschaf)
- 4 Rhine
- 5 Hanoverian, Münster
- 6 Styrian or Carinthian Swiss

.34 French and Flemish breeds

.342 Central plateau breeds
- 1 Auvergne
- 2
- 3 La Marche
- 4
- 5 Limousin
- 6
- 7 Saintonge

.344 Loire basin and north France breeds
- 1 Berrichonne (Crevant, Cher, Indre)
- 2 Solognote (Sologne)
- 3 Comtoise (Franche-Comté)
- 4 Ardennes (Poitou)
- 5 Percheron (Perche)
- 6 Angevin (Anjou)
- 7 Cotentin
- 8 Bretagne
- 9 Charmoise (Loir et Cher)

636.346 Pyrenese breeds
- 1 Basquaise
- 2 Béarnaise
- 3 Landaise
- 4 Gasconne
- 5 Lauraguaise
- 6 Lot
- 7 Albigeois
- 8 Aveyron
  - Varieties: Larzac, Lacaune, Olempe, Cevennes, Causse
- 9 Barbarins
  - Varieties: Millery, Lahune, Marthold

.35 Italian
- Neapolitan: long, broad or fat taild Bergamasker; Paduan; Italian or Sardinian, mountain

.36 Spanish breeds Merinos, etc.
- .361 Escurial or Estremadura
- .362 Guadalupe
- .363 Pavlar
- .364 Infantado
- .365 Nigretti
- .366 Other Spanish
  - Aguirre, Atwood, Montares, Leonese, Churra
- .367 Other European merino breeds
  - 2 British
  - 3 German
    - 31 Prussian
    - 32 Hanoverian
    - 33 Saxon
    - 34 Silesian
    - 37 Hungarian
  - 4 French: Rambouillet
  - 8 Danish, Swedish, etc.
- .368 Other merino breeds
  - 1 American
  - 2 Delaine
  - 3
  - 4 Australian

.37 Other European sheep
- .371 Russian
- .372 North Europe: Scandinavia, Iceland, Faroe ilands
  - Ovis brachyura borealis
- .373 Southeast Europe
  - Long tail, broad or fat tail: Macedonian or Clementine
  - Long tail and small tail, mixt wool: Cretan, Macedonian, Wallachian, Moldavian or Hungarian

636.38 Other countries

.385 Asiatic

Short tail, hornd: Tartar, Kalmuck, Kinghir, Buriat fat rump (ovis steatopyga); stump tail (ovis brachycerca). See also 636.386
Short tail, hornless: Mecca fat rump, Chinese (ongtischaf), Persian
Long tail, broad or fat tail, dumba (ovis platyura): Syrian, Anatolian, Karamanian or Levant, Persian, Bokhara, Karakul
Arabian or Bedouin
Kabardian or Circassian

.386 African sheep

Long tail, broad or fat tail: Egyptian, Tunisian, Berber or Algerian
Long and small tail, hevy fleece: Bischarin (Nubian), dinka (sheep with manes, ovis africana), high leg or Guinea sheep (Kongo), Morvan (longipes), Libyan or Fezzan, Zunu or Angola
Stump tail (ovis brachycerca). See also 636.385

.39 Goats

May be divided like 636.081–.089, but for utilization use .391

.391 Uses

Subdivide like 636.088 See note above

.392 British goats

Irish goat, longhaird
English goat, shorthaird

.393 German and Austrian goats

Harz mts, Hinterwald, Hungarian, Langensalza, Saxony, Schwarzwald, Starkenburg, Westphalian, Wiesental

6 Swiss goats

Alpine or common goat
Blackneckt Valais, Schwarzhals or Schwarztal, Glacier, saddle Guggisberg

7 **Toggenburg**

8 **Appenzell or flat-heded**

9 **Saanen or Sarnen, Gessenay or Gassenay**

.394 French goats: Tarentaise

.395 Italian goats: Maltese

.396 Spanish goats

Hornless, Granada, Malaga
Shorthaird reds, Spanish-Maltese

.397 Other European goats

.398 Other goats

1 **American goats**

5 **Asiatic goats**

Tibet (China), Angora (Persia), Syrian

54 India

Kashmir (or shawl Tibet), Nepal (variety of Nubian), Surats, Tahr (shaggy brown Himalayan goat)

6 **African goats**

Abyssinian (or Nubian), Guinea

62 Egypt

Egyptian (or Nile), Theban, Zaraibi

636.4 **Swine**

May be divided like 636.081–.089, but for utilization use .41

.41 Uses

Subidivide like 636.088 (see note above) further subdividing .413 as follows: .4132 Bacon breeds, .4133 Lard breeds

.42 English breeds

.421 Small colord breeds

Use also for small breeds in general

1 **Essex**
2 **Sussex**
3 **Suffolk**

.422 Small white breeds

1 **Windsor**
2 **Small Yorkshire**
3 **Coleshill**

.423 Large colord breeds

Use also for large breeds in general

.424 Large white breeds

1 **Yorkshire**
2 **Lancashire**
3 **Cumberland**
4 **New Leicester**
5 **Lincolnshire**
6 **Suffolk**

.426 Medium colord breeds

Use also for medium breeds in general

1 **Black Berkshire**
2 **Red Tamworth**
3 **Red Berkshire**

.427 Medium white breeds

1 **Middle Yorkshire**
3 " **Suffolk**

.43 German and Dutch breeds

.431 Lowland breeds Southern Germany

Use this also as general number for short-ear swine

Bavarian	Franconian	Halle	Suabian
Düsseltaler	Glanschwein	Luzern	Wurtemberg

.432 Hungarian short ear

Carpathian, Bergschlag
Bakonyer or Bakouner
Szalontaer

.433 Western and Northern Germany

Use this also as general number for large-ear. Large Polish, Meissner

.434 German marsh swine, large ear

Danish ilands	Holland	Mecklenburg	Schleswig-Holstein
Hanover	Jutland	Oldenburg	Westphalia

636.44 French
.441 Large-ear French Celtic breed
Northeastern France
Champagne
.443 Northwestern France
Breton
Norman Augeronne
Craonnaise
Mancelle
Angevin
.445 Southwestern France Spanish origin
French Perigord
Quercy
Limousin
Gasconne
Béarnaise
.447 Southeastern France
Provence
Roussillon
Languedoc
Bressane
.449 Swiss
Grison Bündener
.45 Italian, Neapolitan, Maltese, Tuscan, Romagnole
.46 Spanish and Portuguese
.47 Other European
.471 Curly bristles Southeastern Europe
.472 **Serbian Syrmian**
Mongolicza or Mangalicza
Curly-bristle Hungarian
Milos
Sumadia or Obrenovics
.473 **Croatian**
.474 **Rumanian, Moldavian**
Anatolian
Albanian
.475 **Russian**
.48 Other countries
.481 American breeds
.482 **Poland-China**
.483 **Red Jersey or Duroc-Jersey**
.484 **Other American**
1 Chester white
2 Hampshire
3 Cheshire
4 Victoria
9 Mulefoot Razorback
.485 Asiatic: Chinese, Tonkin, Siamese
.486 Africa
Cape breeds, Sennar, Guinea
.489 Oceania
Papuan

636.5 Poultry

May be divided like 636.081–.089, but for utilization use .51

.51 Uses

Subdivide like 636.088; e. g. 636.513 Capon. See note above

.52 English breeds

.521 Dorking

.522 Sussex or Surrey

.523 Kent

.524 Orpington

.525 Redcap

.526 Other English

Lincolnshire buffs

.527 Scotch grays

.528 Other Scotch

Scotch bakies or dumpies Jumpers Dumbartonshire

.53 German and Dutch breeds

.531 Hamburg

.532 Lakenfelds

.533 Ramelsloher

.536 Styrian

.537 Bohemian

.538 Other

East Friesian, Westphalian, Thuringian, Alsatian, Nassau, Augsburg, etc Magyar

.54 French and Belgian breeds

.541 Crèvecoeur

.542 Houdan

.543 La Flèche Le Mans Caux

.544 La Bresse, Louhans, Bourg, Bourbourg, Barbézieux, Caussade, Courtes-pattes

.545 Faverolles

.546 Gournay, Pavilly, Caumont

.547 Other

Coucou, French cuckoo, Mantes, Estaires

.548 Belgian breeds

Campenes or Campines, or Brackel; Brabant. Huttegen
Bredas or Guelders or Guelderlands. Coucou de Malines. Bruges

.55 Italian breeds

Use also as general number for Mediterranean breeds

.551 Leghorn

.552 Paduan or Polish (in England)

Also called Pompadour, Padouse, Polanders

.553 Polverara

.554 Ancona

636.56 Spanish breeds
.561 Castilian
.562 Minorcan
.563 Black Spanish
.564 Blue Andalusian
.565 Prat
.57 Other European
.571 Pavloff (Russian)
.572 Siberian fetherfooted
.573 Sultans
.58 Other countries
.581 American breeds
1 **Dominican, Dominique, Dominiker**
2 **Jersey blue**
3 **Bucks county**
4 **Java**
5 **Buckeye**
6 **Winnebago**
.582 **Plymouth rock**
.583 **Wyandotte**
.584 **Rhode Island red**
.585 Asiatic breeds
1 **Cochin China** **Shanghai**
2 **Brahmaputra** **Brahma, Gray Chittagong**
3 **Langshan**
4 **Malay**
7 **Japanese fowls**
White Yokohama
Phoenix
.587 Special varieties
1 **Bantams**
11 Common
12 Game
13 Polish
14 Asiatic
15 Japanese
588 Other
1 **Game**
11 Azeel or Aseel
12 English game
13 Sebright (a bantam only)
14 Cornish Indian, or Indian (in England), or Cornish (in America)
15 Malay
2 **Deformd**
Rumpless or tailless or Wallikiki; Turkey necks, naked necks, Gillikins, nude
3 **Silkies**
4 **Frizzles**

636.59 Other fowls
.592 Turkey
1 **Original species**
11 American, or N. American 'original' or wild turkey (meleagris Americana)
12 Mexican wild turkey (meleagris Mexicana)
13 Honduras wild turkey (meleagris ocellata)
14 Crested turkey
2 **Bronze**
English Cambridge turkey
3 **Narragansett**
4 **Buff**
5 **Slate or Austrian whites** (in England)
6 **White, or White Holland** (in America)
7 **Black, or Norfolk or black Norfolk** (in England)
8 **Bourbon red, or Bourbon butternut, or Kentucky red**
.593 Guinea fowl
.594 Fezant
.595 Peacock
.596 Pigeons
1 **High clas fancy pigeons**
11 Pouters
12 English carrier
13 Runt
14 Barb
15 Shortface tumbler
2 **High clas toy pigeons**
21 Fantail
22 Owls
23 Turbits
24 Frilbacks
25 Jacobins
26 Trumpeters
27 Scandaroons
28 Florentine amalgamated, Hen
31 Dragoon, Horseman
32 Priests
33 Brunswick
34 Oriental frils
35 Homers, white homing, Antwerp
4
5 **Other toy pigeons**

636.597 Ducks
- 2 **English breeds**
  - 21 Aylesbury
  - 22 Indian runner
  - 23 Blue Swedish
- 4 **French breeds**
  - Rouen, colord Rouen, also cald Rhone and Roan
- 8 **Other countries**
  - 81 American
    - 82 Cayuga, black Cayuga
      - Also called Big black and Lake duck
    - 83 Muscovy
      - Colord Muscovy, Musk duck, white Muscovy
    - 85 Asiatic: Pekin, white Pekin
      - By Chinese cald Mandarin

.598 Goose
- 3 **German: Emden, white Emden**
- 4 **French: Toulouse, gray Toulouse**
- 7 **Sebastopol**
- 8 **Other countries**
  - 81 Wild or Canadian Gray wild
  - 85 Chinese: white, brown
  - 86 African
    - Also cald Indian, gray African and Guinea
  - 87 Egyptian Colord Egyptian
  - 89 Spurwing (Australia)

.6 **Birds**
- For poultry see 636.5. Here ar clast domesticated birds useful for plumage or work, and pet birds

.61 Birds useful for their fethers
- For geese see 636.598

.611 Ostriches

.62

.68 Song and ornamental birds

.681 Swan

.686 Cage and aviary birds

.7 **Dogs**
- May be subdivided like 636.081—.089, but for uses see 636.72—.765

.71 Breeds

.72 Utility dogs

.73 Draft and other work dogs

.74 Watch dogs, herd dogs

.75 Hunting and sleuth dogs Carrier dogs

.76 Pet dogs

.765 Toy dogs

.77 Dogs in art
- See also 758 Animal painting

.78 Dogs in literature
- Essays, stories, biografy, etc.

.79 Other topics

636.8 **Cats**
.81 Breeds
.87 Cats in art See also 758 Animal painting
.88 Cats in literature
Essays, stories, etc.
.9 **Other: rabbits, guinea pigs, elefants, etc.**
Fur farming Fox, skunk, etc. farms.

637 Dairy and dairy products

.1 **Milk**
.11 Economics
.113 Dairy farms
Description of individual farms
.116 Finances and accounts
.117 **Expenses**
.118 **Returns**
.1185 Sale price
.12 Production and composition
.121 Choice of dairy cows
.122 Special food
.124 Milking
Milk pails, milk stools, milking tube
.125 **Artificial milkers**
.127 Composition of milk
1 **Fat**
2 **Lactose, milk sugar, lactin; galactin**
3 **Casein**
6 **Milk testing**
Creamometer Lactobutyrometer Lactodensimeter Lactoscope
Galactometer Lactocrite Lactometer Percent tube
7 **Milk analysis**
.13 Care of milk
.131 Bildings, dairies
.132 Installation, apparatus
1 **Refrigerating apparatus, milk cooler**
2 **Heating apparatus**
3 **Pasteurizers**
7 **Receptacles** **Storage** **Milk pans**
.133 Preservation
1 **Chilling**
2 **Heating**
3 **Pasteurizing**
.135 Transportation and sale of milk
Milk cars, milk wagons, bottles, cans

637.14 Utilization Consumption
.141 Whole milk
5 Evaporated milk
.142 Condenst milk
.143 Milk powder
.144 " farina
.145 " sugar
.146 Fermented milk Kumis
.147 Skim milk
.148 Cream
.16 Accidents Alterations Diseases Impurities Adulterations
See also public helth 614.32
.17 Milk other than cow's milk
.171 Mare's milk
.172 Ass's "
.173 Ewe's "
.174 Goat's "
.18 Substitutes for milk
.181 Vegetable milks
.2 Butter
.21 Economics
.216 Finances and accounts
.217 Expenses
.218 Returns
5 Sale price
.22 Composition
.221 Character and properties of butter
.222 Constituents of butter
.223 Grades of butter
.225 Butter testing
.227 " analysis
.23 Preparation of butter
.231 Bildings Creameries Butter factories
.232 Installation, apparatus
1 Separators
11 Skimmers
12
13
14 Centrifugal separators
2 Churns
3 Washers
4 Workers
8 Presses, molds, stamps, etc.

637.233 Butter making
- 1 Separating cream
- 2 Churning
- 3 Washing
- 4 Working
- 5 Salting
- 6 Pasteurization
- 7 Ripening

.235 Transport and packing
- 1 Methods of packing Receptacles

.24 Utilization Consumption
- Including residues

.247 Buttermilk

.26 Alterations Diseases Impurities Adulterations

.27 Renovation

.28 Substitutes for butter

.281 Oleomargarin

.282 Butterin

3 **Cheese**

.31 Economics

.316 Finances and accounts

.317 Expenses

.318 Returns
- 5 Sale prices

.32 Character and composition

.321 Character and properties

.322 Constituents

.323 Grades of cheese

.325 Cheese testing

.327 Cheese analysis

.33 Cheese manufacture

.331 Cheese factories

.332 Installation, apparatus
- 1 Boilers
- 2 Curd mils
- 3 Presses

.333 Cheesemaking
- 1 Curdling Rennet
- 2 Refining
- 3 Pressing
- 4 Heating
- 8 Putting in molds

.335 Transport, packing, etc.
- 1 Packing
- 2 Storage

637.34 Utilization Consumption
Including by-products

.345 Milk sugar

.347 Whey butter

.35 Varieties

.351 Rennet cheese from cow's milk

.352 **Soft cheese, fresh, unripend**

.353 " " **ripend**

2 English

3 German: Limburger

4 French: Brie, Camembert, Neufchatel

5 Italian: Gorgonzola

.354 **Hard cheese**

2 English: Cheshire, Cheddar, Sage, Stilton

3 German, Swiss, etc.: Emmental, Edam

4 French: Gruyère, Gex

5 Italian: Parmesan

6

7 Other European

.355 **Rennet cheese from other than cow's milk**

1 From sheep's milk: Roquefort, Texel

2 " goat's "

3 " reindeer "

4 " buffalo "

.356 Sourmilk cheese from cow's milk
Cottage cheese, Dutch cheese, pot cheese, smear-case

.357 Sourmilk cheese from other than cow's milk

638 Useful invertebrates raised or exploited

Invertebrates whose products ar useful for food or manufactures

.1 **Bee keeping Apiculture**

For scientific or entomologic treatment see 595.799

.11 Economics Apitechny

Divided in general on lines of 631

.111 Economics

1 **Establishing apiary**

Location, site: woodland, valley, mountain, meadow. Ground, herbage, shade

Outapiaries

15 Sistems of managing

Supervision. Share sistem

2 **Laying out**

Wind breaks. Bee gardens

4 **Types of apiary**

Migratory, floating etc.

6 **Finances Accounts Bookkeeping**

7 Expenses

8 Returns Selling

Marketing

9 **Bildings Apiary**

Bee houses, bee cellars. For hives see 638.142

.112 Apitechny

When not otherwize provided for. Divided like 636.08

1 **Stocking apiary**

Selection: varieties of bees to buy. Overstocking locality

2 **Formation of stock**

Hive record-books

.12 Bees

Clas here everything on the hive bee, except scientific works on bees in general (Apidae), which ar clast in 595.799

.121 Natural history of bees

For diseases and hygiene see 638.15

1 **Organografy Descriptiv anatomy**

2 **Physiology**

3 **Embryology**

5 **Habits**

Life of the hive

52 Abode Migration

Swarming preparation and accomplishment. Clustering; scouts

53 Food

Nectar and pollen gathering. Honey and bee-bred making. Water; salt

54 Seasons

The bee year. Wintering preparations

55 Sexes

Queens. Drones. Workers

56 Breeding

Flight of queen. Care of young, etc. Brood rearing

57 Protection

The sting

6 **Products of bees**

Natural history viewpoint; for commercial see 638.16–.17

Comb, honey, wax, bee bred, bee gum

638.122 Races of hive bees *Apidae*
.123 Varieties of common honey-bee *Apis mellifica*
2 **Black bees (general)**
3 **Yellow bees (general)**
.124 European varieties
3 **Black or German bee**
5 **Italian or Ligurian bee** *Apis ligustica*
.125 Asiatic varieties
.126 African "
.1299 Other genuses of honey bee
.13 Pasturage
.131 General questions
Calendarial. Cultivation
.132 Nectar plants
When works dealing with divisions of 638.132 ar further limited by latitude, clas in 638.133
1 **Nectar: production by plant, composition, etc.**
2 **Cultivation of nectar-producing plants**
3 **By color of nectar**
32 Very light
33 Light
34 Medium
35 Dark
36 Very dark
4 **By plant type**
Trees, shrubs, vines, herbaceous
5 **Species**
Divided like 5[illegible]
6 **By season**
62 Spring nectar
63 Summer "
64 Autumn "
7 **Physiograficly**
Water plants, medow, forest, rock etc.
8 **By elevation**
Mountain, sea level, et[illegible]
9 **By country**
Divided like 940–999
For general works only; better clast, when possible, by latitude 638.133
.133 Latitudin[illegible]l nectar-plant classification or distribution
Clas here works con[illegible]ining features coverd by 638.133 and 638.132 or 638.1[illegible]–.137
2 **Tropic regions: 20 degrees N and S**
3 **Warm " 20–30 degrees**
4 **Warm temperate regions: 30–35 degrees**
5 **Temperate regions: 35–40 degrees**
6 **Cool temperate regions: 40–45 degrees**
7 **[illegible] regions: 45–50 degrees**
8 **[illegible] regions: 50 degrees —**
134 Fruit [illegible]s [illegible]nd shrubs
[illegible]634
135 Other trees and shrubs
.136 Clovers
.137 Other nectar plants

638.138 Pollen plants
- 1 Pollen
- 2 By special points of view
- 3 Latitudinal
  - Divide like 638.133
- 5 Trees
- 7 Herbaceous pollen plants

.139 Other pasturage
- 1 Honey dew honey
  - For honey dew in the sense of secretion from leavs and fruit. Foı afid honey, also cald honey dew, see 638.1392
- 2 Afid honey
- 8 Bee-gum plants
  - Propolis plants

.14 Bee culture
- Control of hive work

.141 General management
- 2 Methods
- 3 Tools
- 5 Handling or controlling bees
  - Smoking, smokers, veils, stings and remedies
- 6 Calendarial Bee year
  - 62 Spring work: March-May
    - Awakening period
  - 63 Summer work: May-June
    - Swarming period
  - 64 Autumn work: July-Oct.
    - Harvest period
  - 65 Winter work
    - Wintering
    - 652 Outdoor wintering
      - Protectiv equipment
    - 653 Indoor wintering
- 8 Outapiary manipulation
  - Moving bees

.142 Hives and parts, and their manipulation
- 2 Fixt or single-piece hives
  - Straw, clay, etc. Skeps
- 3 Movable-frame hives
  - 32 Parts of movable-frame hives
    - Supers, sections, brood frames, partitions and bee escapes
- 5 Observation hives
- 7 Queen-bee-raising hives
  - Cell cups; queen cages

.143 Hive cleaning Bee transferal
- 1 Hive cleaning
- 4 Bee transferal

.144 Comb-bilding aid Feeding
- 2 Comb-bilding aid
  - Guides for comb. Frame manipulation
- 3 Comb foundation
  - Manufacture and use
- 5 Feeding and foods
  - Spring and fall feeding. Watering

638.145 Bee stock control
- 3 **Crossing hive-stocks**
  - Italianizing
- 5 **Queen rearing**
  - Mating queens. Shipping queens
- 6 **Introducing queen into hive**

.146 Increase of colonies Propagation aids
- 2 **Swarming control**
  - 22 Natural swarming control
    - 222 Primary swarm
    - 223 Secondary swarm
    - 224 Swarm hiving Swarm catchers
  - 23 Artificial swarming control
    - Queen clipping
  - 24 Prevention of swarming
  - 25 Nonswarming hives
- 5 **Artificial increase of colonies**
  - 52 Combining hives
    - Treating weak hives. Nuclei

.147 Other hive manipulations
- 1 **Pillage by bees: prevention**

.148 Harvesting
- Comb-honey removal

.15 Hindrances and protection

.151 General questions

.152 Diseases and other injuries
- Clas a special remedy with the special disease
- 1 **General questions**
  - Legislation; state inspection and control

.153 Adult diseases
- 2 **Of respiratory sistem**
  - Isle of Wight disease, acorine disease
- 3 **Of digestiv sistem**
  - Dysentery, May pest, nosema disease, bee paralisis or disappearing disease

.154 Brood diseases
- 2 **Ultramicroscopic**
  - Virus, sac brood
- 3 **Bacterial diseases Foul brood**
- 4 **Fungi and mold diseases**
  - Chalk brood, stone brood
- 6 **Chilled brood**

.155 Plant enemies
- Trapping plants: milkweed. Poisoning plants

.156 Animal enemies
- Divide like 590 but clas injurious insects in 638.157 instead of 638.15657

.157 Insect enemies
- Divide like 595.7

.158 Other injuries
- 2 **Poisoning**
  - 22 By agricultural sprays

159 Means of protection
- General works. Clas remedy for a special ill with corresponding number

638.16 Honey and other hive products
.162 Composition of honey
1 **Properties**
Color, taste, smel
2 **Constituents**
28 Poisond honey (natural)
3 **Grading**
For varieties of honey see 638.165
5 **Testing**
7 **Analyzing**
.163 Preparing honey
2 **Bildings: honey houses**
3 **Installation Apparatus**
Separators
4 **Separating**
42 Extracting Centrifuging
43 Straining: solar extraction, etc.
44 Clarifying
45 Liquefying
Boiling to prevent candying
47 Ripening, dehydrating
5 **Preservation**
6 **Packing**
165 Varieties of honey
2 **Marketing forms**
22 Comb honey
23 Extracted honey Centrifuged honey
24 Straind "
25 Clarified "
26 Candied "
28 By color
282 Light
283 Amber
284 Dark
8 **By food plants**
Divided like 638.13
9 **By country**
When divisions 8 and 9 both apply prefer 8
.166 Alterations of honey
2 **Natural alterations**
Candying on standing
3 **Diseases**
Mold action
4 **Impurities (natural)**
5 **Adulterations**
See also under public helth 614.311
.167 Substitutes
Artificial honeys
.169 Uses of honey
1 **In medicin**
4 **As food**
Table sirup. In cooking
7 **In manufactures**

638.17 Wax
.172 Apparatus: solar extractors
.173 Rendering
Wax presses. For refining see 665.2
.176 Adulterants
.177 Substitutes
2 Of vegetable origin
3 " animal "
.179 Uses
.19 Bees in other than productiv relations
Fertilization of flowers
.199 Bees as nuisances
Attacking horses. Runaways. In towns
.2 Silkworms
.3 Resin- and dye-producing
.31 General questions
Divided, as far as needed, like 638.32
.32 Lac industry
.321 General questions
.322 Economics
2 Organization for production
3 Government regulation and legislation
5 Markets Marketing
6 Finances Accounts
7 Expenses
8 Returns Selling
.323 Lac insects *Coccus lacca*
Nature and habitat. For scientific or entomologic treatment see 595.752
.324 Cultivation
1 General management
2 Food Feeding
6 Hindrances Protection
Parasites etc
8 Harvesting Gathering
.326 Lac products
2 Composition of lac
3 Preparation for market
See also 667.7 Chemic teknology
4 Varieties of lac Marketing forms
Stick lac, seed lac or grain lac, button lac, garnet lac, shellac, lac waste
6 Alterations Adulterations
8 Uses
.327 Dye products
Divided like 638.326
Divided like 638.32
.34 Kermes Scarlet grain *Coccus ilicis*
.35 Cochineal *Coccus cacti*
.36 Polish grains *Coccus polonicus*
.38 Murex
Rock-whelk, etc

639 Hunting, trapping, fishing, fish culture, etc.

See also 799 for sporting side

.1 Hunting, trapping, game preservs, etc.

For fur farming (fox, skunk, etc. farms) see 636.9

.2 Fishing as an occupation

.21 Fresh water fishing River fishing

.22 Sea fishing.

.27 Special kinds of fish

Divided like 597, uzing 639,2799 for turtles, terrapin and other reptils

.3 Fish culture Pisciculture

.31 In fresh water Stocking rivers

.311 Ponds Fish ponds

.312 Lakes

.313 Water courses

.32 In salt water

.321 Sea

.322 Brackish water Salt ponds Lagoons

.37 Special kinds of fish

Divided like 639.27

.4 Oysters and other mollusks Shelfish

Oyster, clam, mussel, snail, pearlfishing, scallop, quohog, cockle, winkle, periwinkle

.41 Oysters

.411 Edible oysters

.412 Pearl "

.5 Crustaceans

Lobsters, crabs, crawfish, shrimps, prawns

.6 Other sea food

Sea urchin, echinus

.7 Sponges Coral

.8 Other nonedible aquatic products

Leeches etc

640 Home economics Domestic science

Public as wel as private household administration covering work of housekeeper, matron, steward, janitor, etc. in hotels, clubs, apartments, boarding houses, schools, restaurants, factories, offis and other commercial bildings, churches, theaters, railway stations, ships and other public gathering places

For economics of consumption, including standards of living, see 339; for care of library bildings see 025.9. Numbers for allied subjects in army and navy wil be provided under military and naval science. See also 331.83 Food, clothes and shelter of laboring classes

SUMMARY

641 Food, cookery
642 Serving, entertaining
643 Shelter, house, home
644 Heat, light, ventilation
645 Furniture, furnishings Decoration
646 Clothing, toilet
647 Administration, household management
648 Sanitary precautions, cleaning
649 Home care of children, sick, and infirm

.1 Theories, utility, etc.
.2 Compends
.3 Dictionaries, cyclopedias
.4 Essays
.5 Periodicals
.6 Societies

.7 Study and teaching

Schools of housekeeping, experiment stations. Investigations of home conditions. For cooking schools see 641.07

.71 Schools and experiment stations

See 630.7 Agricultural schools, farmers institutes; 630.6 Farmers associations, granges, etc; 371.426 Manual training courses; 371.6764 Laboratory equipment for home economics courses; 375.64 Place in curriculum; educational values. 640.711–.74 may be used for keeping all phases of the subject in 640

.711 College and university courses and departments

Schools of college grade

.712 Secondary courses; high school
.713 Elementary courses; below high school
.714 Extension work

Courses for special needs: women's clubs, farmers' wives, etc.

.72 Research work: experiment stations, graduate courses

For Sage foundation see 306

73 Normal courses, teachers institutes, etc.
.74 Exhibits Museums
.9 History

641 Food Cookery

For physiology of nutrition, see 612.39; for dietetics and dietary standards, 613.2; for food values, 641.1

.01 Gastronomy Epicurism

Plesures of eating, esthetics of cookery, epicures (gourmets). For gluttony, see 178.9 and 613.25

.02 Compends
.03 Dictionaries, cyclopedias
.04 Essays, addresses, lectures
.05 Periodicals
.06 Societies
.07 Study and teaching Cooking schools, classes and clubs
.08 Polygrafy
.09 History and description

Divided like 930–999. Including foods characteristic of different peoples, but for preparation of specific dishes (i. e. recipes) peculiar to special countries see 641.59

641.1 Food chemicly considerd Food values Tables

For methods of chemic analysis see 543.1; for adulterations see 614.3; for commercial preparation or manufacture see 664; for physiology of nutrition see 612.39; for dietetics see 613.2

612.39 treats of physiologic effect of different kinds and quantities of foods from purely scientific point of view, without regard to benefit or injury

613.2 treats of food requirements in special conditions of age or disease and of the beneficial or injurious effects of different kinds of foods

641.1 translates scientific facts into familiar terms for cook and housekeeper, treats of the required amount of the different constituents and their proportion as found in various foods

.11 Organic food constituents

.12 Proteids or nitrogenous foods

Meat, egs, nuts, legumes, etc. See also 612.398

.13 Carbohydrates or nonnitrogenous foods

Vegetables, cereals, fruits, sugar See also 612.396

.14 Fats, oils

See also 612.397

.15 Inorganic food constituents

.16 Water

.17 Salts, mineral or ash constituents

.3 Animal and vegetable foods

Clas here also works dealing both with food material and its preparation

Subdivided like 630; e.g. 641.331 Cereals, 641.34 Fruits

.31 Prices Relativ cost

Quality and other factors in buying for table

.4 Food preservation Markets

Subdivi l · like 664

F [illegible] methods see Chemic technology 664.8–.9; for transportation se[illegible]

.5 Cookery Cook books

General recipes specific directions, in whatever form (books, cards, etc) for preparing food

Distinction between 612.39, 613.2 and 641.5: in 641.5 clas cook books and collections of recipes in which physiologic and hygienic effects of foods (if treated at all) ar secondary; in 613.2 clas dietaries and selection and preparation of food for special systemic conditions, with recipes subsidiary or with recipes and diet about evenly balanst; in 612.39 clas scientific study of physiologic effects of various foods, regardless of benefit or injury

See also 641.59 Recipes peculiar to special countries; 641.6 Cookery of specific substances; 641.7 Cookery by specific processes; 641.8 Composit dishes, ices, confectionery, beverages

.52 Brekfast

.53 Luncheon, afternoon tea, supper

.54 Dinner

.55 Economic cookery

.56 Special conditions

Under limitations of age, helth, ethical or religious theories, etc.

.562 Children

.563 Invalids and aged Hospital cookery

.564 Ethical limitations

.565 Religious limitations

.566 Seasons and days: Lent, fast days, etc.

.567 Cults: Jews, Buddhists, etc.

641.57 Special situations
Adaptation to large numbers, large variety, and limitations of time, place or appliances
.572 Hotel and restaurant cooking
.573 Army and navy cooking
See also 355
.574 Shipboard cooking
Exclusiv of navy
.575 Camp and travel cooking
.576 Railway dining and buffet cars
.577 Itinerant companies; circuses, etc.
Methods of feeding large numbers en route or in temporary shelters
.578 Camp cooking
.58 Special utensils or fuels
.583 Cooking by oil
Including oil and gas together
.584 Cooking by gas
.585 Cooking by alcohol Chafing dish recipes
.586 Cooking by electricity
.587 Cooking by apparatus heated by steam or hot water
.588 Cooking by slowly applied heat
Aladdin ovens, fireless cookers
.59 Cookery of special countries
Clas here descriptions of national cookery or recipes for dishes characteristic of special countries or regions
.591 Frigid zone and cold wether
.592 Tropics and hot wether
.593–.597 Divided farther like 930–999, using these numbers preferably only for reference, shelving books under 641.5–.578
.6 Cookery; clast by material
Subdivide like 630
.7 Cookery; clast by process
.71 Baking, roasting
.72 Braising
.73 Boiling, simmering Soups
.74 Stewing
.75 Steaming
.76 Broiling, grilling
.77 Frying, sautering
.8 Composit dishes
Ices, confectionery, beverages, etc. See also 641.53 Luncheon, afternoon tea, supper
.81
.82 Entrées Made dishes
.83 Salads
.84 Sandwiches
.85 Confectionery, candies, sweets, bonbons
.86 Ices: ice cream, sherbet, water ices, etc.
.87 Beverages Soft drinks
See also 663 Manufacture of beverages; 663.8 Bartenders manuals, mixing drinks; 613.3 Hygiene of beverages

642 Serving Table Entertaining

See also 395 Etiquet

.1 **Home and family meals**

Brekfast, lunch, dinner, supper. Menus and servis
For tables of chemic constituents and calories see 641.1

.2 **Refreshments**

Afternoon tea, sandwiches, ices, soft drinks

.3 **Camp, picnic and travel lunches**

Lists of supplies; suitable food and dishes; packing and accessories. For recipes see 641.53; for camp cookery see 641.578

.4 **Entertaining**

.41 Private entertainments

.42 Small numbers

Luncheons, dinners, etc.

.43 Large numbers

Receptions, balls, garden parties, etc.

.45 Public entertainments

Banquets, dinners, clambakes, etc. For history of banquets, eating, etc. see 394.1 under Public and social customs. For dining room see 643.4

.48 Toasts Table anecdotes and conversation

See also table talk in literary miscellany

.5 **Table systems for large numbers**

.51 Table d'hôte

.52 American plan

.53 European plan, à la carte

.54 Club: choice of combinations

.55 Harvard Memorial hall plan

Harvard university plan of a fixt charge for essentials, and coupons (alimentary milage) for extras

.56 Mixt plan

Table d'hôte and à la carte; table d'hôte and club

.57 Lunch counters Cafeteria

.58 School lunch rooms

Management, prices, rules for payment, suitable food, freedom of choice, etc
See also 371.716 School meals

.6 **Serving Carving**

Directions for setting table, changing courses, etc.

.7 **Table furnishings**

Linen, china, glas, plate, etc. Preferably clast here, tho possible to be considerd part of 645.66 Dining room furnishings

.8 **Table decoration**

Selection and effectiv arrangement of flowers, colors, lights, centerpieces etc.

643 Shelter: house, home

For types of houses and plans see 725, 727 and 728; for materials and construction see 690; for heating and ventilation see 628.8, 644 and 697; for lighting, 628.9 and 644.3; for plumbing and gasfitting see 696; for furnishing see 645

.1 Location, site

Social and religious character of neighborhood; accessibility, railways, tramways, etc; nearness to churches, schools, markets, etc. Property increasing or decreasing in value

For hygiene of soil and grounds (city, village or country) see 614.77; for sanitation, water supply and drainage see 628

.2 Plan

Requirements of house for convenient and economic administration; relativ situation and intercommunication of rooms, amount and direction of light, etc. Special rooms: kitchen, dining room, baths, etc. For detacht rooms and bildings see 728.9; for furnishing see 645; for architectural aspect of structural parts of house (foundation, floors, walls, etc.) see 721; for wall finish see 729.31

.3 Kitchen and its equipment

.31 Plan: situation and arrangement

Relation to rest of house. Housekeeper's requirements as guide to architect. Light. For plans see 728 Residences, and 728.93 Detacht kitchens

.32 Ventilation

Carrying off odors, etc.

.33 Stoves, ranges, cookers, hot tables, fuels

See also 641.58 Cooking by special utensils or fuels

.331 Fireplaces, open fires: turnspit, crane, etc.

.332 Coal and wood Stoves and ranges

.333 Oil and oil stoves

.334 Gas and gas stoves

Including natural gas and acetylene

.335 Alcohol and alcohol stoves Chafing dish

.336 Electricity and electric stoves

.337 Steam heated cooking appliances Steam tables

.338 Slow and fireless cookers

Aladdin oven, Norwegian haybox. See also 641.588

.34 Machinery and laborsavers

.35 Utensils

.36 Pastry room

.37 Storeroom, larder Refrigerators

.38 Care of kitchen and accessory rooms

.39

.4 Dining room and adjuncts

.45 Serving room Butler's pantry

.47 Other pantries

.48 Cupboards

.5 Other special rooms

.52 Baths, lavatories, toilets

.57 Sun rooms, solariums: sleeping balconies, etc.

.58 Laundry

Place in house; for equipment see 648. See also 728.93 Detacht laundries

.6 Laborsavers

General: bells, telefones, tubes, lifts, chutes, door openers and closers, etc. See also special subjects; e.g. 648.52 Vacuum cleaners

.7 Repair

644 Heat Light Ventilation

.1 Systems of heating

Desiderata, relativ advantages for household

For varieties of apparatus and installation see 697; for sanitary engineering see 628.8

.15 Fireplaces Family harthstone

Open fire as household institution; mental influence

Sanitary advantages. See also 749 Artistic fireplaces

.19 Portable heaters: bedwarmers, warming pans, footwarmers

.2 Fuels

Relativ cost; cleanliness; labor involvd, e.g. hauling and carrying wood or coal and removing ashes. Chimney sweeping

.21 Wood

.22 Coal

.23 Oil, gasoline, etc.

.24 Gas

.26 Electricity

.3 Systems of lighting

Fixtures, fittings, accessories. Clas here general discussion covering fixtures and medium, their relativ advantages, etc. For medium alone see 644.31; for fixtures see 644.32

.31 Lighting medium

See also Chemic technology 665

.311 Candles

.312 Oil

.313 Gas

.314 Acetylene

.315 Electricity

See also 621.32 Electric lighting

.319 Other

.32 Apparatus and accessories

Subdivide each, if wisht, like 644.31

.321 Hand lamps Candlesticks

.322 Lanterns

.323 Table, banquet and piano lamps

.324 Standards

.325 Wall lamps Sconces

.326 Chandeliers Ceiling fixtures

.5 Ventilation

Most material belongs elsewhere: hygienic influence of air and light 613.1; sanitary engineering 628.8; ventilating apparatus 697.9. For advantages of fireplaces see 644.15

.6 Domestic water supply

Drinking water, hot water, heating water for domestic uses

645 Furniture, carpets, upholstery Decoration

For plan and furnishing treated together see 643
See also hygiene 613.59; architectural decoration 729; design 745; artistic furniture 749; manufactures of cotton, wool, etc. 677

.1 **Floor coverings: carpets, rugs**

.2 **Wall coverings**

.3 **Window and door furnishings**

Screens, shades, awnings, draperies, wether strips

.4 **General furniture**

See also 645.6 Furnishings for special rooms

.41 Chairs Footstools

.42 Couches Settees

.43 Tables

.44 Desks

.47 Cushions, pillows, etc.

.48 Linen and other fabrics

Removable furniture covers, centerpieces, etc. See also 642.7 Table furnishings; 645.67 Bedroom furnishings

.49 Other

.5 **Ornaments**

Clocks, vases, pictures, statuary, etc. See also 739 Bronzes, brasses, bricabrac

.6 **Special rooms**

For kitchen see 643.3; for laundry see 648

.61 Hall and stairs

Hatracks, umbrella stands, etc.

.62 Drawing room Reception room Parlor

.63 Library

.64 Study or offis

.65 Living room

Clas here furnishings of room used as combined reception room, library and living room

.66 Dining room

For table equipment and decoration see 642.7–.8

.67 Bedrooms and nursery

Sleeping balconies, open air bedrooms. Beds and bedding, linen, etc. For nursery see also 649.2

.68 Bathrooms Lavatories Toilets

Fittings and supplies. See also 646.7 Bathing

.69 Other rooms

Music, billiard and ball rooms, picture gallery, servants rooms, cellar, attic

.8 **Outdoor space**

Verandas, balconies, roof gardens
For sleeping balconies see 645.67. See also 712.7 Private grounds; 717.682 Arbors, seats, outlooks; 717.9 Garden furniture

646 Clothing Toilet

See also ethics of dress, display 177.4; ecclesiastic costume 247.7; clothing as related to economics of laboring classes 331.836; bleaching and dyeing 667.1–.3; academic costume 378.29; history of costume 391; clothesmaking 687; hygiene of clothing 613.48; adulteration of textils 614.37; for uniforms and liveries see occupations to which they pertain

.01 Psychology and economics of fashions
Reasons for change of fashions; expense of fashionable dressing

.02 Compends

.03 Dictionaries, cyclopedias

.04 Essays, lectures, addresses

.05 Periodicals

.06 Societies Dress reform societies

.07 Study and teaching

.08 Polygrafy

.09 Adaptation to climate or season

.091 Clothing for cold wether and frigid zones

.092 " " hot " " tropics

.1 Materials Textils and fibers

With reference to domestic use, or domestic use and hygiene combined. For hygiene of materials see 613.481; for general works on textils and fibers see 677 Manufacture of textils

.11 Cotton

.12 Linen Flax Hemp

.13 Wool Mohair, alpaca, camel's hair, rabbit's hair, etc.

.14 Silk

.15 Lether

.16 Fur

.17 Other animal materials: fethers, hair, whalebone

.18 Other vegetable materials

.181 Rubber

.182 Paper

.183 Celluloid

.184

.185 Straw Raffia

.186 Other fibers: jute

.19 Other materials Tinsel, aluminum, asbestos, etc.

.2 Sewing Knitting Crochet

For fancywork see 746

.21 Plain sewing
Running, backstitching, hemming, overhanding, etc.

.24 Mending Darning

.26 Knitting and crochet Tatting
For knitting as a business, whether done by hand or by machine, see 677.661; for crocheting as a business see 677.662; for tatting as a business see 677.663

.27 Crochet

.3 Clothing divided by wearers

Clas here trade catalogs; e.g. Liliputian bazar catalog 646.36
See also 391 Costume; 687 Clothesmaking as a trade

.32 Clothing for men

.34 " " women

.36 " " children

646.4 **Clothing divided by purpose**

Including directions to amateurs for cutting and making, economic use of material, suitability of material for purpose, adaptation of style to material and purpose, choice of color, etc. For limitation to special kinds of garments see subdivisions below; e.g. patterns or catalogs of underwear 646.42
Subdivisions .42–.48 may be farther divided by 2 Men, 4 Women, 6 Children

.42 Underwear

.43 Outer house garments

Gowns or dresses, coats, trousers, etc.

.45 Outdoor garments

Cloaks, coats, overcoats, shawls, sweters, etc. See also 646.5 Hedgear, millinery; 646.48 Accessories: gloves, mufflers, etc.

.46 Outer footwear

For hose see 646.42

.47 Garments for special purposes

Negligée, lounging or smoking, yachting, bathing, hunting, riding, etc.

.48 Accessories

Neckties, collars, cuffs, belts, aprons, caps, handkerchiefs, gloves, mufflers, garnitures, etc.
For outdoor hedgear see 646.5

.5 **Millinery Outdoor hedgear**

See 687.4 Millinery as a business

.52 Hats, caps, etc. for men

.54 Hats and bonnets for women

.55 Other outdoor hedgear for women

Hoods, scarfs, etc.

.56 Hedgear for children

.57 For boys

.58 " girls

.6 **Cleaning Drycleaning Dyeing**

For laundry see 648.1

.7 **Toilet Cosmetics Bathing**

Care of hair, nails, teeth, etc.
For historic customs see 391.5–.6. See also hygiene, 613.4 Care of body

647 Household organization and administration

.1 **Household accounts: finances, cost**

See also bookkeeping 657

.2 **Personnel**

Intelligence offis, employment bureau
Clas here regular employees or assistants; for occasional employees see 647 29.
For ethical considerations, see 173.8. See also political economy, 331 Labor and wages

.21 Manager

Superintendent, housekeeper, steward.

.22 Male employees

.23 Female "

.24 Foren "

Races and nationalities: orientals, negroes, etc.

647.25 Indoor servis

Cook, butler, waitress, parlor maid, lady's maid, chambermaid, nurse, laundress, furnaceman, etc. For housekeeper, steward, etc. see 647.21; for outdoor servis see 647.3

.29 Other employees

Emergency help, household registers

.3 Servis outside the house

Coachman, gardener, laborers

.6 Wages Hours Duties

.9 **Cooperativ and collectiv housekeeping**

Hotels, clubs, apartments, commercial bildings, churches and other public and semipublic establishments or rooms

See also 692.9 Bilding laws; 728 Residence architecture

.91 Tenements

See also 728.1 Tenement house architecture; 331.83 Housing of laboring classes, including tenement house laws; 613.53 Hygiene of tenements

.92 Apartments, flats

See also 728.2 Apartment house architecture

.93 Cooperativ housekeeping

See also 334.4 for economic aspect

.94 Hotels Clubs

See also 728.4 Clubhouse architecture; 728.5 Hotel architecture

.95 Restaurants, tea rooms, etc.

See also 642.5 Table systems for large numbers

.96 Public bildings Institutions

General administration and care affecting helth and convenience of occupants and public; janitor's duties. May be subdivided if wisht like 725; e.g. 647.962 Administration of offis bildings, or 647.9623 if so close classification is preferd

See also 362 Hospitals, asylums, etc.; 365.5 Prisons

.97 Cottage systems Tourist camps

648 Sanitary precautions: laundry, cleaning

.1 **Laundry Washing**

Private, cooperativ, public. For other processes of clothes cleaning see 646.6 Dry cleaning. For sanitary precautions see 648.5–.6; for pests see 648.7

.11 Administration Accounts

.12 Marking

.14 Equipment

Collectiv: specifications and cost. Clas specific appliances with processes to which they belong

.15 Hand equipment

.16 Power "

.18 Supplies

Soap, starch, bluing, powders, reagents

.2 Washing

Requirements of temperature, ingredients, etc. for different materials Washing directions

.22 Washing by hand

.23 " machine

.25 Starching

.27 Bluing Tinting

648.3 **Drying** Driers Extractors Wringers
Confined or open air Temperature Effect on dyes of freezing, etc.

.4 **Ironing**

.42 By hand Sad irons
Electric and gas heated irons, etc.

.43 By machine Collar and shirt machines, fluting irons, etc.

.45 Power machinery Mangle

.5 **Cleaning and sanitation of house or bilding**
See for sanitary engineering 628; for plumbing 696; for dry cleaning 646.6; for chimney sweeping 644.2

.52 Sweeping and dusting
Floors, walls, moldings, furniture; implements, vacuum cleaners, etc.

.54 Washing
Porcelain, glas, windows, mirrors, paint, including table ware, bricabrac and fixtures. For washing textils see 648.2

.55 Polishing
Silver, knobs, scutcheons, pipes and other metals

.6 **Disinfecting**
Waste pipes, traps, etc. Household disinfectants. See also 649.8 Care of sickroom; and public helth, 614.48 Disinfecting apparatus

.7 **Pests; traps, poisons, insectifuges**

.8 **Storage**

649 Home care of children, sick, infirm and aged
This provides for persons requiring special adjustment of household administration: children and invalids

.1 **Care of children**
See also 136.7 Child study; 173.5 Duties of parents

.2 Rooms Nursery

.3 Food
See also 613.22 Diet of infants; 641.562 Cookery for children

.4 Clothing and care of body
See also 646.36 Children's clothing, outfit and making; 646.4 Clothing for various purposes; 613.4 Hygiene of bathing and clothing; 687.13 Manufacture of children's clothing

.5 Exercise Recreation
See also 613.7 Hygiene of recreation; 790 Amusements

.55 Amusements: toys, dolls, games

.6 Manners Habits
See also 173.6 Duties of children

.7

.8 **Care of invalids and the infirm** Sickroom

650 Communication Business

.1 Theory .2 Compends .3 Dictionaries, cyclopedias .4 Essays, addresses .5 Periodicals .6 Societies, conventions .7 Study and teaching .8 Collections .9 History

651 Offis economy

In industries and mercantil business 651 represents the nonproductiv branch, overhed charges. See 658 for productiv branch alone of manufacturing or mercantil concern

REFERENCES TO ALLIED SUBJECTS

029	Literary methods and laborsavers	648.5	Cleaning
613.6	Hygiene of employment	.6	Disinfecting
.7	" recreation and sleep	.7	Pests
628.6	Sanitation, house drainage	696	Plumbing
.8	Ventilation and heating	697	Heating and ventilation (construction)
.9	Lighting		

SUMMARY

Environment	.1	Space
	.2	Equipment
Structure	.3	Organization
Function	.4	Administration
	.5	Records
	.6	Special material
	.7	Correspondence

651.1 Offis bildings and rooms

See also 725 Public bildings (architecture)

.11 Location

Separate bildings; rooms in manufacturing bildings, in offis bildings, etc.

.12 Site

With reference to space, air, light, soil, slope of ground, etc.

.13 Provision for growth

.14 Arrangement

For economy of time and space; floor space, wall space

.16 Special rooms

Directors, trustees	Typers
Manager	Lunch and conversation rooms
Accountant	Rest rooms
Dictation	Safety vaults, safes

.19 Safety

See 614.8 Protection of human life from accidents; 331.823 Safety (under Economics)

.2 Equipment

.22 Fixtures

Partitions, counters, ledges, gates, stationary shelvs

.23 Furniture

.231 Chairs, stools, settees

.232 Tables

.233 Desks

.234 Revolving cases

.235 Furniture for using books, etc.

Reference-book holders

.236 File cabinets, vertical files

See also 651.54 Storage methods

.239 Other

Hatracks, umbrella stands, clocks, bulletin boards, etc.

651.24 Furnishings and decoration

Put here only material limited to offis. For other relations see Decoration in Relativ index

241 Floor coverings

May, if needed, be further subdivided as follows:

1 Linoleum, corticine
2 Matting
3 Carpets
4 Rugs
5 Doormats: rubber, wire etc.

.242 Wall treatment: covering or finish, pictures

.243 Window and door furnishings (shades, curtains, portières)

.26 Mekanical appliances

For general or common use or belonging to a centralized sistem; nonindividual; not limited to a special department

See also 652 Typers, duplicators, addressing machines, telautografs; 657 Protectografs, bookkeeping machines and machines for checks, handling money, etc.

.262 Oral communication: telefones (wall, desk, in booth)

Offis requirements and accessories. Number, location

See for telefone business 654.6; for telefone engineering 621.385

5 Local sistems: interfones

8 Speaking tubes

.263 Dictating machines

.264 Calculators, tabulators, statistical and adding machines

See also 510.8

If closer clasification is needed ad heds below:

1 Adding machines

11 Listing

Those devized primarily for adding, even tho capable of other processes (multiplying, dividing, subtracting) by special manipulation

12 Nonlisting

13 Tally counters

3 Approximate calculating devices

Based on logarithmic scale: slide rules, etc.

4 Exact calculating devices (mekanical)

5 Grafic or area calculators Planimeters

6 Statistical machines; e. g. sorting or tabulating: Hollerith

.265 Numbering machines

.266 Fastener, seal and other presses

For multigraf and other duplicators see 652

.267 Mail and shipping room devices

Letter and merchandise scales; folding and wrapping appliances, etc.

268 Lifts, carriers, pneumatic tubes, etc.

Local, between desks or separate rooms of same offis

See also engineering 621.86 Hoisting and conveying machinery; 621.549 for construction and 654.8 for operation and sistems of pneumatic tubes

.269 Other mekanical devices

.3 Organization

See also 347.7 Commercial law, for legal rights and restrictions; 380 Commerce and communication, for relations of corporations to state and public; 658.14 for financial organization of a business enterprize

.32 Work

Branches, departments, divisions, sections, etc.

.321 Planning department

651.34 Workers

Offis alone and those common to both offis and productiv branch. See 658.3 for those having to do with productiv branch alone. May, if desired, be further divided like 331.11. Topics coverd by 651.34 and also by 651.37 ar clast in 651.37

.37 Grades Titles and duties

.372 Offisers: executiv, director Hed of enterprize

.373 Staf: department, division and section heds

5 Understudies, deputies

374 Employees, routine workers

2 Bookkeepers

3 Clerks, stenografers, typists

4 Telefone operators, etc.

6 Pages, messengers, runners

7 Janitor force, laborers

8 Apprentises, volunteers Not on payroll

.38 Pay: salaries, wages, pensions

Offis notes and discussions affecting the individual staf. For gereral discussion see economics, 331.2 Remuneration for work

If wisht, 651.38 may be subdivided like 331.2; e. g. 651.332 Wage scales; 651.3825 Extra pay: bonuses, bounties, etc.; 651.384 Profit sharing; 651.3852 Pensions (subdividing stil further like 651.37 if necessary)

.4 Administration

Offis efficiency; i. e. ratio of work accomplisht to expenditure of time, effort, material (goods, money, space)

.41 Time

.412 Disposal of time

By those above routine grades: offisers and staf

Regular engagements: monthly, weekly, daily

Public hours: for business callers, appointments; telefone vs personal interview. Private hours: interruptions only for urgency

.42 Daily hours Holidays and vacations

.421 Daily hours

1 Records Record clock

2 Punctuality Tardiness

.422 Hours for meals Lunch room

See also 651.16 Special rooms

.423 Special work

1 Evening

2 Sunday

3 Holiday

.424 Work by hour Overtime, extra hours

1 Making up lost time

2 Payment for overtime

3 Effect of overstrain on employees

4 " " " " servis

.425 Holidays

1 Weekly half holiday

2 Legal holidays

.426 Vacations

1 Time of year

2 Length

3 Continuous or in instalments

4 Sabbatic year

651.427 Absences for sickness or other causes
See also 651.4241 Making up lost time

.428 Attendance at meetings

1 **International**

2 **National**

3 **State**

4 **Local**

.44 Staf rules General requirements Incentivs Disciplin

.441 Conversation

.442 Personal calls or work

.443 Soliciting money, subscriptions, contributions

.444 Respect and care for property

.445 Personal appearance, dres, uniforms

.446 Curtesy Indifference

.447 Incentivs
See also 331.9 Encuragements to work offerd by government etc.

2 **Suggestion sistems**

.448 Disciplin

2 **Fines**

3 **Stoppage of wages**
For general question see 651.3812

6 **Stoppage of privileges**

.449 Staf meetings Relations between staf members

.45 Methods of increasing effectivness
Stimulation of effort
For motion study see 658.5423; for organization of work see 651.32

.451 Variety of work vs monotony

.452 Labor savers
Business view, advantage to employer; for personal view see 029.2 See also 651.26 Mekanical appliances; 651.465 Fittings, and 651.466 Supplies

.453 Methods, routines
Principles; e.g. cart not to be put before horse. For general discussion of value of methods see 029.1 Clas routine for each kind of work under its number but here may be put chief's reference file of routines, subdivided by clas number or alfabeted by subject

.455 Training of new appointees

.456 Information or 'front' desk 'Plant' messenger servis
Sistematic collection and distribution of intraplant communications and small articles. Discussion as administrativ economies. For place in organization see 651.32

.457 Mail and express routine
Receiving. Distributing: opening and dating. Collecting. Sending For place of this section in the organization see 651.32

651.46 Material

Fittings and supplies considerd together. Use of bargain catalogs

.461 Quality

Economies in adapting to purpose; e. g. extravagance of expensiv cloth envelops for cheap printed circulars

.462 Quantity

Quantity discounts, advantage of buying in bulk insted of in packages, etc

.463 Sizes

See also 029.1 Standard sizes

.464 Use, care of stock, stock closets or room

Times (days and hours). Requisition routine

.465 Fittings

Distinguisht by capacity for repeated or long wear from supplies, which ar consumed in uzing; e. g. inkstands ar fittings; inks ar supplies

History and discussion of writing materials is in 652. Enumeration below is for offis memoranda of source of supply, prices, kind and quantity to be kept on hand, etc.

1 **Cutting:** shears, knives, pencil sharpeners, paper cutters, letter openers, punches

2 **Fastening:** clips, pins, rings, binders, mucilage bottles, etc.

3 **Writing:** inkstands, penholders, fountain pens, rubber stamps, ink pads, steel erasers, typewriter pads

4 **Drawing, mesuring, weighing:** compasses, dividers, straight-edges, rulers; tape mesures; scales, balances

5 **Calculating:** tables, charts; interest, amortization and wage tables; index numbers, etc. See also 510.8

6 **Holding:** racks, baskets, coin trays, boxes

8 **Memoranda:** ticklers, card trays, guides, spindle files, etc.

9 **Other:** brushes, pliers, sponge cups, perpetual kalendars (wall or desk) etc.

.466 Supplies

Perishing with use; see note to 651.465

2 **Fastening:** mucilage, glue, paste, adhesiv clips, rubber bands

3 **Writing:** paper, pencils, steel pens, ink, typewriter ribbons, blotters, rubber erasers, ink eradicators

7 **Labeling:** tags, gumd labels, letters and figures

8 **Memoranda:** kalendars, notebooks

9 **Other:** blanks, sponges

.47 Inventories

.472 Frequency and times

.473 Forms

.474 Perpetual, automatic

651.5 **Records Files and filing**

Matter, form, treatment

.51 Form

.512 Book

.513 Card sistem

2 **Cards**

5 **Sheets, loose leavs Looseleaf books**

For publication in looseleaf form see 655.53

8 **Strips** (clocks, adding machines, etc.)

.52 Mode of production

.522 Hand written

.523 Machine "

.525 Automatic: e. g. clock records

.53 Arrangement, classification

.531 Bases: department, subject, function, person, priority, importance

.533 Sistems

2 **Alfabetic:** persons, places or subjects in a b c order; self indexing

4 **Numeric:** 1 2 3 order; requiring index

5 **Cronologic:** by dates "

6 **Clast:** numeric, alfabetic or mixt notation, requiring index

.54 Storage methods

For file furniture see 651.236

.542 Flat on side

Cabinet, box and pigeonhole filing

For roller shelving see 022.46; for cases for maps and drawings see 022.485

.543 Rolled

Horizontal: on shelvs, wall or in drawers

On end: in closets or stalls

.545 Erect, on shelvs

Books, binders, file boxes

.546 Vertical files

.55 Accessories

For furniture see 651.23

.552 Guides

Hight. Projections: advantages; width

Material: paper, wood, metal, celluloid

Reinforcement: label holders, celluloiding

.554 Labels

.56 Permanent records

Elements determining establishment; authorization

.563 Statistics

See also 311

2 **Data**

4 **Tables**

6 **Grafs** (line, block and other charts)

.57 Temporary records and papers

Engagements, memoranda and other desk miscellany

Pigeonhole sistems Ticklers

651.6 **Special material**

For accounting records see 657

" stock and sales records see 658.7–.8

.62 Specifications

.63 Estimates

.64 Plans, drawings, maps

.65 Printed matter (issued by offis)

Order records and blanks. File of samples

.66 Employes records

Applications, recommendations, grading, time

.67 Letter files

See also 651.533 Arrangement

.672 By correspondents

Rules for determining 'correspondents': writer or firm, offiser or institution, etc. For numeric sistem see 651.5334

.673 By subject

.675 Removals: 'out' indexes, markers, dummies

.677 Copies of outgoing letters

In books, separate from letters

Carbond, on back of original or on separate sheet; roller copies; filed with letters

.678 Transfer files (for storage)

.7 **Correspondence, reports, etc.**

.71 Stationery

See also 659.133 Advertizing

.712 Paper: size, quality, weight, tint, etc.

For papermaking seo 676; for history of writing material see 652

.713 Letterheds

.714 Memo heds

.715 Bil heds

.717 Postcards

.718 Envelops

.72 Blanks

For saving letterwriting; e. g. forms for extracts from minutes. For other special purposes see topic

.74 Style Business English

Conciseness, spelling, capitalization, punctuation, margins, spacing

See also 029.6

.75 Letters

.752 Definitness and accuracy; paragrafing and tabulating

.753 Opening (address) and closing; postcard style

.754 Inclosures Separate related matter

.756 Form letters, automatic (ansers by key numbers)

.757 Follow-up

.758 Interstaf notes

Directness, breves. See also 653.24 Notehand abbreviations

.76 Notises, calls for meetings

.77 Minutes, committee business

See also 651.72

.78 Reports

Organization of material; analisis

Transmission and introduction

Statistics Recommendations, etc.

652 Writing; material, typewriters, cypher
653 Abbreviations Shorthand

A fuller expansion of this subject may be had from Forest Pres, for approximately cost of making carbon copies

Form divisions .01–.09, given in Table 2 after Relativ index, may be used for both shorthand in general and for particular sistems. Material pertaining to a particular sistem or sistem group may be clast by form, yet kept together, by applying these form divisions *after* the figures of the Cutter author number Clas under general number only material independent of a particular sistem

.1 Shorthand theory Tecnic

General considerations; definitions; nomenclature

.11 Fonetic Sounds

Analisis or discussion for shorthand purposes only. General fonetic facts go under 414, 421.4 etc

.12 Grafic Signs

.121 Grafic resources or limitations independent of sistem type

Influence of handwriting usage, analisis of longhand, customary writing materials, educational conditions, etc

.123 Geometric shorthand grafic material

A geometric shorthand sistem selects for its basic material the geometricly simplest signs, then recognizes that all experience — both longhand and shorthand — proves that most or all of the signs actually written in any given word ar best written joind together, and procedes to deal with the many joining problems which such signs involv, by various ingenious devices of varying complexity and effectivness, such as the appendages or length devices of Pitmanic shorthand, or the blends or reversing or disjoining principles of Gregg

.125 Hybrid shorthand grafic material

A hybrid or script-geometric sistem represents an attempt to compromize or combine the radically different principles of geometric and script sistems. This compromize most often takes the form of attempting to impart to essentially geometric shorthand signs some of the fluency of script shorthand signs by excluding from the geometric material those features least conduciv to facil joinings, such as position (absolute position), shading, left diagonal signs, etc; a process which results in severe limitation of shorthand resources

.127 Script shorthand grafic material

A script shorthand sistem, recognizing from the first that all experience—both longhand and shorthand—proves that most or all of the signs actually written in any given word ar best written joind together, selects for its basic material the graficly simplest signs, i.e. those easiest to write and to read when joind together in actual writing

.129 Other types of grafic material

Dependent on special materials — crosruling, staves, diagrams etc

.13 Sinthetic Principles Assignment of signs to sounds

.135 Principles of outline formation

.14 Legibility Reading

.15 Brevity Writing Speed

.152 Shorthand penmanship

.157 Speed practis Training for speed

.158 Distortability of signs

.16 Simplicity Remembering

.17

.18 Applications Usefulness

For place in education see 375.653

.19 Other aspects of shorthand theory

Nonlinguistic shorthand, e.g. music shorthand

653.2 **Abbreviations Abbreviation sistems using common caracters only**

.21 Desirability Dangers Methods

.22 Omission of silent letters, vowels etc

.23 Lists of recognized abbreviations

.24 Abbreviation sistems Notehand Brief longhand

.241 Grammatic abbreviations

.25 Abbreviation sistems, primarily for ordinary typewriter

For machine shorthand and shorthand machines see 653.3

.27 Sistems for special purposes

Phillips Code for telegraf pres dispatches

May be divided by subject or purpose like main clasification

.28 Sistems divided by language like 400

.3 **Machine shorthand Shorthand machines**

For mechanical form and construction details of shorthand machines see 681.6

.4 **Shorthand sistems clast by language**

Under each language alfabeted by authors. All publications of any single shorthand sistem may be kept together by arranging them by Cutter number for original author, followd by lower case initial of surname for author of individual textbook or pamflet

.4089 **Shorthand sistems or adaptations for international auxiliary languages**

Divided like 408.9

.41 Polylingual shorthand sistems

.42–.499 Divided like 420–499

Most or all libraries should clas all shorthand sistem publications here rather than in .5–.7, which ar primarily for use of specialists. All publications of any single shorthand sistem may be clast by form, yet kept together, by applying the form divisions of 653.01–.09 after the figures of the Cutter number; e.g. Graham shorthand dictionary 653.42 G7603

653.5–.7 Shorthand sistems clast by structure

Most libraries should arrange shorthand publications alfabetically by name of system author under 653.4, using .5–.7 only for indexing and cros-references. A few representativ examples of classification by structure ar included in the tables. See note under 653.42

.5 **Early shorthand**

Not clearly differentiated as to phonetic or grafic structure. Clas systems under .6 and .7 as far as applicable, regardless of date of publication

.51 Ancient, classical and medieval shorthand

.52 Ancient shorthand

.53 Classical Greek tachigrafy

.54 Roman shorthand Tironian notes

.55 Medieval shorthand

.56 16th and 17th century shorthand

.57 18th century shorthand

Samuel Taylor, Thomas Gurney (Brachigrafy), etc.

.58 19th century shorthand (not clearly clast under .6 or .7)

Wm Harding, George Odell, etc.

.6 **Nonfonetic and partly phonetic shorthand systems Syllabic systems**

In languages substantially phonetic in spelling, e.g. German, Italian, Spanish, clas all shorthand with phonetic systems, according to shorthand structure

.61 Nonfonetic shorthand systems

Signs represent letters rather than sounds. Cognate consonants (p b, t d, k g, etc) ar not paird. Vowel sounds ar groupt by a b c letters or 'English values'. Alfabet is usually arranged in substantially a b c order. There ar usually supplementary lists of nonalfabetic arbitrarics

653.64 Partly phonetic shorthand systems

.65 Systems distinguishing substantially the minimum 40 sounds, but with majority of signs not paird or groupt by sound relationships J. G. Cross, etc.

.66 Systems with majority of the 16 cognate consonants paird, but vowels groupt by a b c or 'English value' relationships

.67 Alfabetic-phonetic shorthand systems: offering in one text both an alfabetic and a phonetic stile

.68 Syllabic shorthand systems

.7 Phonetic shorthand systems

Distinctiv features for identification ar: signs represent sounds, not letters; most or all of the 16 cognate consonants ar paird; vowels ar paird by true sound relations, or groupt with difthongal sounds clearly separated from simple sounds; alfabet is arranged in some logical paird or groupt non-a b c order, most often beginning p b, t d, etc

.71 Early phonetic stenografies

Using signs neither geometrically nor grafically simple

.72 Pitmanic shorthand

A. J. Barnes, E. B. Burnz, Elias Longley, A. J. Marsh, W. W. Osgoodby, etc. Do not clas as substantially Pitmanic those systems containing les than 16 of the 21 consonant stems common to all Pitmanic systems

.722 Benn Pitman Old vowel scale systems

Clas here all shorthand publications of Phonografic Institute, Cincinnati

.723 A. J. Graham

.725 Isaac Pitman New vowel scale systems

Clas here all shorthand publications of Isaac Pitman & Sons

.728 Unorthodox Pitmanic adaptations

.73 Geometric disjoind vowel phonetic shorthand systems, excluding Pitmanic shorthand 653.72

Clas here geometric fonetic shorthand systems independent of disjoind or joind vowel distinctions

.74 Geometric joind vowel phonetic shorthand systems

Godfrey Dewey (Personal shorthand, 1922), Emile Duployé, Duran Kimball, D. P. Lindsley (Tachigrafy), J. M. Sloan, M. A. Chandler (Mrs Atherton)

.75 Hybrid (semi-geometric, script-geometric, semi-script) phonetic shorthand systems with geometrically simple signs, whether of assumed circular or elliptic origin

Clas here hybrid shorthand systems in general independent of form of principal signs. For definition see note under 653.125

.751 Systems with small joind vowel-group signs; each sign normally representing more than 2 vowel sounds

J. R. Gregg, T. S. Malone

.76 Hybrid phonetic shorthand systems with principal signs not geometrically simple, whether grafically simple, or of compound or complex form

.77 Script or grafic basis phonetic shorthand systems

F. O. Dettman

.771 Literal vowel expression systems: principal vowel expression by signs of fixt form

653.773 Systems with consonant downstroke signs with both hed and foot modified Vowel upstrokes differentiated by length, slope or curvature
Julius Brauns, Godfrey Dewey (Script shorthand, 1936), A W Groote O, W Melin, Karl Scheithauer, Ferdinand Schrey (1928)

.775 Symbolic vowel expression systems: principal vowel expression by relativ position of consonant signs

.776 Systems with consonant downstrokes, dependent on a fixt or visible line of writing (absolute position)
H. A. W. Stolze

.777 Systems with consonant downstrokes, independent of a fixt or visible line of writing (absolute position)
F. X. Gabelsberger, Ferdinand Schrey (1887), Stolze-Schrey (1897)

.778 Systems with consonant signs chiefly upstrokes Vowel signs chiefly downstrokes

79 Phonetic shorthand systems of other types dependent on special writing materials or implements, etc

654 Telegraf Cables Signals

Business aspects. For engineering see 621.38; for codes see 652

.1 Telegrafic instruments

.2 Duplex, quadruplex, multiplex telegrafs, etc.

.3 Printing, perforating, dial telegrafs, etc.

.4 Telegrafic construction; poles, wires, condits, etc.

.5 Cables Submarine

.6 Telefones

.7 Alarms; burglar, fire Annunciators, bels

.8 Speaking tubes Pneumatic tubes

.9 Signals See also 534.83 Navigation signals; 623.7 Military signals

655 Printing Publishing Copyright

.1 History of printing

.11 Origin, invention

.111 Claims of Gutenberg, Mainz

.112 Claims of Coster, Haarlem

.12 Celebrations, anniversaries

.121 1640 .125 1940 (500th anniversary)

.122 1740

.123 1823

.124 1840

.13–.19 Printing in special countries Divided like 930–999

.2 Type and typesetting

.21 Type founding Tools of the art

.22 Electrotyping and stereotyping, etc. Patent blocks
For Photoelectrotyping, see 777

.23 Patent types, logotypes, etc.

.24 Faces, sizes, styles Specimen books

.25 Typesetting: composition, proofreading, distribution
Artistic composition: taste, display, job work

.27 Imposition Locking up, etc.

.28 Typesetting and distributing machines Linotype, monotype

655.3 **Practical printing** For Calico printing see 667.3

.31 Printing presses

.32 Press work: making ready Color printing Cuts
Cutting stock

.33 Drying: hydraulic pressing, etc.

.35 Stamps, stamping, etc.
For stencils see 652

.36 Machines: paging, numbering, etc.
See also 654.3 Printing telegrafs; 651.265 Hand numbering machines; 652 Typewriters, addressing machines

.37 Nature printing From plants, etc.

.38 Printing for blind See also 371.91 Education of blind

.4 **History of publishing and bookselling**
Divided by countries like 930–999

.5 **Publishing and bookselling**

.51 Selection of mss
For freedom of press *vs* censorship, see 323.445; Morals of press 179.1

.52 Relations to authors
Copyright payments, prices of mss bought

.53 Format
Size, paper, type, illustrations, binding

.54 Cost of manufacture
Retail prices and discounts to dealers

.55 Advertising, press copies and notices See 659.1 Advertising

.56 Retail bookselling Prices and discounts to buyers

.57 Subscription book publishing, canvassing

.58 Publishing societies

.59 Publishing by governments, institutions, etc.

.6 **Copyright Literary property**

.61 Perpetual or common law right
Including ethics of copyright

.62 Copyright in other matter than books
Music, mss, lectures, trademarks

.63 International copyright
See also 341.57 International commercial law

.64–.69 Copyright in special countries
Divided like 940–999

656 Transportation: railroading, etc.

Running of trains, train and boat timetables, luggage and freight handling, lists of sailings: crews and shifts, disciplin, etc.
For mechanical interrelations of track and rolling stock see 625.2
For reports, government regulation, rate schedules, etc. see 385 for railroads, 386 for canal and river and 387 for ocean and air transport

657 Bookkeeping Accounts

658.15 Financial management
.151 Control: directors, trustees Recievers
.152 Investment of capital funds
.153 Working capital
.154 Budget sistem
.155 Profit and loss
.156 Dividends: cash, stok, liquidating
.157 Surplus and undivided profits
.16 Organization Reorganization Mergers Consolidations
.162 Holding companies
.163 Affiliated companies
.165 Interlocking directorates
.166 Intercompany transaction
.167 Realization Liquidation
.168 Reorganization
.17 Expenses
.171 Taxation
See also 336.2
2 Federal taxes
3 State taxes
4 Local taxes
5 Franchize and license taxes

658.2 Plant

Suitability of bilding, whether bilt, bought or rented. For factory requirements see 621.7, also note under 658; for construction see 690; for architecture see 725.2 Business and commercial bildings; 725.4 Factories. For offis arrangement and equipment see 651.1-.2

.21 Location Site

.211 Climatic conditions

.212 Land value

.213 Labor availability

.214 Transport facilities

For transport within the plant see 658.281

.215 Availability of raw material

.216 Proximity to market

.217 Source of power

.218 Site

With reference to space, air, light, soil, slope of ground, etc. Includes occupancy of bildings used partly for other purposes

.219 Other

.22 Material

.23 Design

.231 Future expansion Provision for growth

.232 Relation to product

.234 Floor space

.235 Storage facilities

.236 Offis space

See also 651.1 Offis bildings and rooms

.237 Servis space

Rest rooms, coat rooms, cafeterias, lunch rooms, hospitals

.238 Water supply

For watersupply engineering see 628.1, for installation in bildings 696.1

.239 Sanitation

Baths, lavatories, toilet rooms

.24 Lighting

See also 628.9 for lighting in general, 621.32 electric lighting, 665.7 gas lighting

.241 Natural

.242 Artificial

.25 Heating and ventilating Air conditioning

See 628.8 for heating and ventilation in general., 697 for methods of heating and installation

658.26 Power

.261 Power generation

See also 621.19 Power plants, steam engineering; 621.31 Electric power production; 621.312 Electric power plants

.262 Power transmission

See also 621.8 Power transmission, mekanical engineering; 621.319 Transmission of electric energy

1 **Belting**

.27 Production equipment

.28 Servis equipment Laborsaving devices Safety equipment

.281 Transport Conveyer sistems Handling materials Trucks

For conveying and hoisting machinery see 621.86

1 **Hand conveyers and hoists**

2 **Power " " "**

3 **Gravity " " "**

.282 Sales equipment

.283 Safety devices and equipment

Better clast in 614.8 Protection of human life

.284 Fire protection and equipment

Better clast in 614.84 Protection of human life

1 **Water pails**

2 **Hose**

4 **Automatic**

5 **Chemic extinguishers**

.29 Other

.3 **Industrial economics Personnel**

This group provides for the economic aspects. The divisions ar the same as under 331 and only the principal ones ar given here; where desired (e.g. by those who wish to keep together all material relating to business management) these divisions may be subdivided, as in table for 331, by adding to 658.3 the figures following the decimal point in 331; e.g. Arbitration, under Economics, 331.155 under Industrial economics, 658.3155. In general libraries these topics ar better clast in 331

.31 Relations of capital to labor

.32 Remuneration for work

.33 Labor of children

.34 " " women

.35 Work under certain unfavorable conditions

.36 Pauper labor Cheap foren labor

.37 Different classes of workers Skild and unskild labor

.38 Laboring classes

.39 Other questions

.4

658.5 **Shop management** **Production**
.51 Planning
.511 Job analisis
1 **Instructions**
.512 Routing
.513 Skeduling
.514 Dispatching
.516 Standardization
1 **Of product**
2 **" equipment**
.52
.53 Time records Production charts
.531 Time cards
1 **Time mesuring and recording devices**
.532 Performance records
1 **Predetermind performance charts**
2 **Accomplishment charts**
.54 Rate setting
For wages see 658.32
.542 Operation studies
1 **Time study**
3 **Motion study**
5 **Production study**
.543 Time allowances
.544 Fatigue study
.55
.56 Shop organization
.561 Shop methods
.562 Inspection Quality control
.563 Tool room
For machine tools see 621.9
.565 Job assigning Instructions
.567 Waste
1 **Salvage** **Utilization of waste**
.57 Reserch and experiment
.571 Reserch
.572 Experimental work
.573 Testing
.575 Product design
.58 Shop maintenance
.581 Machinery maintenance
.582 Tool maintenance
.583 Emergency repairs
.59
.6

658.7 Buying Recieving Storing Shipping
.71 Department organization
.72 Buying methods
.721 Contract buying
.722 Buying direct from producer
.724 Buying thru salesmen
.725 Buying by mail
.726 Buying on open market
.727 Buying thru bids
.73 Prices
.74 Orders
.75 Follow-up
.76
.77 Recieving
.771 Checking
.772 Inspection of goods bought
2 Methods
.773 Invoices
.78 Storing and material control
See also 658.235 Storage facilities
.782 Classification and simbolization of stores
.783 Records Requisitions Forms
.784 Stockrooms
1 Finisht parts
2 Sales stock
.785 Storerooms
1 Raw material
2 Purchast parts
4 By-products
.787 Inventory
1 Depreciation
2 Frequency and times
3 Forms
4 Perpetual, automatic
.788 Shipping
1 Organization
2 Routine
21 Instructions
22 Checking methods
25 Bils of lading
26 Express forms
27 Shipping notises
4 Packing
41 Specifications
42 Methods
44 Receptacles Wrappers
45 Materials
47 Slips
5 Transport and delivery
Vouchers and reciets

658.8 Selling
.801 Psychology of salesmanship
.807 Training of salesmen
.808 Sales analisis
.81 Department organization
.811 Sales manager
1 **Sales submanager, assistant sales manager**
.813 Order clerk
.814 Billing clerk
.815 Follow-up clerk
.817 Sales records
.82 Trade promotion
.821 Methods of creating demand, of successful competition
For advertizing see 659.1
.824 Sales letters
.825 Form "
.826 House organs
.83 Marketing product
.831 Outright sales
.832 Consignment
.833 Agency
.84 Channels of sale
With goods at hand for delivery
.841 Salesrooms
.842 Markets, fairs
.843 Peddling
.844 Auctions
Selling from samples
.845 Sample rooms or exhibits
.846 Commercial travelers (shop to shop, store to store)
1 **Salary**
2 **Commissions**
3 **Expenses**
.847 Canvassers, agents (house to house)

658.85 Sales Salesmanship
.855 Display of goods or samples
.856 Exchanging Rectifying errors
.857 Approval sistem
.86 Wholesaling Jobbing
.87 Retailing
.871 Department stores
.872 Mail order houses
.873 Chain stores
.875 Commission business
.876 Brokerage
.877 Branches Agencies
.88 Collections
.881 Cash
.882 Credit
.883 Instalments
.884 Enforcement mesures
.89 Salesmanship in special business

For business having special number preferably clast in the number for that business, but may be clast here with subdivision for the business like main classification

.9 Specific industries

Business having special number (e. g. insurance business 368) is preferably clast in that number

.91 Mercantil business not having special number

May be divided like the whole classification for businesses not covered by 658.92–.999

.92–.999 Special material

May be subdivided like 620–699, e. g. drygoods stores 658.977, or for indexing purposes the method of the Institut International de Bibliographie may be adopted, i. e. the use of the colon between numbers to show the relation between the subjects, e. g. management of a drygoods store 658:677; or an ' r ' (for relation) may be substituted for the colon, e. g. 658r677; or the 2d number may be written below the 1st, e. g. 658 With the last 3 methods, which allow
677
for other kinds of business beside those clast in 620–699, the .9 may be omitted, since the peculiar form of the combination would bring the material into a group, which, according to I I B rules, would be arranged immediately after 658, before any of its decimal divisions

659 Other topics

Service to consumers, stile in business, etc.

.1 Advertizing

SUMMARY

659.11 General organization of advertizing
.12 Means of identification and protection
.13 Visual advertizing: writing, printing, etc.
.14 Audible "
.15 Advertizing by display and exhibition of objects
.16 " " giving premiums, special price reductions, trading stamps, etc.
.17 Methods of soliciting activity of public
.18 Advertizing by means of outside parties directly interested in object of the advertizing
.19 Other advertizing

.101 Theory

1 General conception, nature and character

12 Purpose, aim

Lucrativ, nonlucrativ

15 Psicology

Psicologic background: instincts, emotions, suggestion, etc. Appeals: historical; human interest and motivs (helth, food, clothing, recreation, etc.); educational, news (informational, argumentativ advertizing); sex; direct command; dramatic; etc. Negativ appeal.

For full list of form divisions see Table 2 after Relativ index

.11 General organization of advertizing

.111 General considerations

Publicity and public relations, etc. See also 659.116 Free publicity, 659.17 Methods soliciting activity of public

.112 Advertizing offices and departments Advertizing agencies

Administration, office manager and clerical department. Accounting department: financial management, budget, advertizing appropriation; commissions; credit and collections; goodwil. Purchasing department: space buying; art, engraving and printing buying. Service department: solicitor, copy writer. Research and library department. Art department. Mecanical production and other departments and personnel. See also 651 Office economy, 657 Accounting, 658 Business methods

659.113 Advertizing campains

Preparatory work, planning, determination of advertizing field. Scope of campain; geografic area to be coverd (for advertizing in special countries use 659.109). Campains limited to specific product, including discussions involving advertizing of product in relation to advertizer and consumer. Campains for special classes of advertizers, for special classes of consumers. Cooperativ campains. Tryouts, test or experimental campains. Use of samples (see also 659.156 Demonstration by samples). Special days or weeks; follow-up; results, cost and returns or inquiries; etc.

.114 Agencies of distribution

Manufacturers (see also 670 Manufactures); wholesale houses, jobbers (see also 658.86 Wholesaling); exporters and importers (see also 382 Foren trade); commission men; brokers; retail trade: department stores, mail order houses, etc. (see also 658.87 Retailing). Consumer distribution, etc.

.115 Trips, visits, personal persuasion

.116 Free publicity

See also 659.111 Publicity and public relations, 659.17 Methods soliciting activity of public

117 Competitors' advertizing

.118 Fraudulent "

.119 Other topics

.12 Means of identification and protection

Discussions of their use in advertizing, right of privacy, etc. Trade names and trade marks; slogans and catch phrases; package goods: containers, wrappers, labels; brands; copirights (see also 655.62 Copiright); patents (see also 608 Patents in general)

.13 Visual advertizing: writing, printing, etc.

Placing in sight of public, advertizing mediums in general

.131 General questions

.132 Advertizements in newspapers, magazines, etc.

1 **General questions**

2 **Text, copy, editing**

Contents in general

3 **Illustrations, commercial art, pictorial advertizing**

Decorativ; humorous; realistic; symbolic, suggestiv: allegoric, fantom, cartoons (see also 741.5 Cartoon drawing), colossal, lilliputian; engravings (see also 760 Engraving); photografs (see also 770 Photografy); grafs; etc. For posters see 659.134; see also 740 Drawing, esp. 741.67 Drawing for commercial advertizing

4 **Layout, arrangement, tecnical details Design**

Form and size, display, 'spreds' and inserts, background and borders (see also 745 Ornamental design), paper (see also 676 Paper manufacture), type and typografy (see also 655.24 Type faces, sizes and stiles), ink (see also 667.4 Ink manufacture), etc.

5 **Color**

Attention and illustrativ value, etc. See also 655.32 Color printing, 752 Color in painting

659.1326 **Special types of newspaper and magazine advertizements**

Want ads, coupon ads, testimonials, etc.

7 **Placing of advertizements**

In newspapers, magazines, directories and yearbooks, programs, etc.

8 **Advertizing in special kinds of newspapers and magazines**

Official or governmental; religious; financial; for foren population; tecnical: trade papers, etc.; amateur, propagandist, etc.

9 **Other topics**

.133 Direct advertizing: prospectuses, circulars, letters

Mailing lists, letterheds, mailing cards, catalogs, booklets, house organs (see also 658.826 Selling methods), handbils, broadsides, circulars, folders, inserts, inclosures in general. Methods of distribution: direct house to house distribution, sending by mail, mailing regulations. For samples and follow-up campains see 659.113

.134 Advertizing by bil posting: posters, placards, signs, etc.

Outdoor advertizing in general, bilboard regulation (see also 711.68 Bilboard regulation in City planning). Stationary bilboards, advertizing pillars or columns, painted buildings; signs, panels, guideboards, car cards, etc. Tecnical details, fastening and resistance of signs against inclemencies, etc. For electric signs see 659.136. See also 741.67 Poster drawing

.135 Moving signs

Human signs, sandwich men, advertizing clothing; advertizing vehicles: use of tires, wheels, etc.; parades, floats, etc.; boats and floating objects; aircraft, pyrotecnical methods; devices for distribution, projection or forming on vehicles, automatic distributors

.136 Luminous advertizing, electric signs, etc.

Permanent luminous signs in general. Signs illuminated by lamps alternately going off and on; signs projected on screens, ground, clouds, etc. (see also 659.138 Devices for impressing advertizements on pavements); movable blinds (abats-jour) and screens; transparent luminous signs; transparent mirrors and use of other optical light effects; gas light signs; neon signs, etc.; luminescent advertizing; etc.

.137 Other optical advertizing devices

Advertizing on objects of merchandize (match boxes, furniture, etc.) with or without movable parts. Advertizing specialties: calendars, blotters, photografs, etc. Menu holders and similar supports: for price schedules, tarifs, post-cards, programs, etc. Apparatus for presenting signs or advertizements on revolving disks, leavs, tablets, etc. Devices for displaying advertizements, etc. on strips, on endless bands; on cylinders or drums with or without movable parts; on prisms, panels, blinds, etc. turnable or displayd singly; on advertizing toys and novelties, badges, flowers, small flags, etc.; on looking apparatus, etc. Pennants, banners, streamers etc. Theater curtains, etc.

659.138 Special optical devices for attracting attention

Decoration, plays of light and transparence, special construction of mecanically moved letters or figures. Advertizing devices operating by opening or closing doors and windows. Devices for impressing advertizements on pavement (see also 659.136 Signs projected on screens, ground, etc.). Advertizement writing devices, advertizing posters automatically writing the advertizements. Airplane ski-writing. Imitations, shows: lifelike images for advertizing; moving images, moving faces; living models; entertainment publicity, dramatic advertizing, moving pictures, plays (see also 659.14 Lectures, etc.)

.139 Other topics

.14 Audible advertizing

Direct oral advertizing, spoken advertizements: mountebanks, barkers; town or public criers; lectures. Indirect oral advertizing: phonografs, radio broadcasting. Audible advertizing other than by word. Combined visual and audible advertizing (see also 659.138 Entertainment publicity)

.15 Advertizing by display and exhibition of objects

.151 General questions

Demonstration of processes and apparatus in general

.152 Fairs, exhibits, conventions, etc.

Automobile shows, industrial shows, etc.

.153 Store demonstrations

.154 Advertizing stunts

.155 Traveling displays

.156 Samples and sampling

See also 659.113 Samples in advertizing campains

.157 Devices and systems of display

Window and store displays. Dealers signs and helps. Show windows, show cases, exhibit cabinets; devices for sale and distribution of goods without previous introduction of money; small vending shops; sample cases, boxes and cards; packings with advertizing. Apparatus for exhibiting cards, pictures, etc. Supports for articles of jewelry, artificial teeth, etc. Devices for displaying pictures, post-cards, tapestry, etc. Label supports and clasps and label holding pins: fastend to objects or fabrics, removable or separate, display labels

.158 Canvasing

For distribution of advertizing by trips and personal persuasion see 659.115

.159 Other

.16 Advertizing by giving premiums, special price reductions, trading stamps, etc.

Various methods tending to giv advantage to public

.17 Methods soliciting activity of public

Advertizing competitions, lotteries, prize contests, etc. See also 659.111 Publicity and public relations, 659.116 Free publicity

.18 Advertizing by means of outside parties directly interested in object of the advertizing

.19 Other advertizing

660 Chemic technology

.1 .2 Compends .3 Dictionaries, cyclopedias .4 Essays .5 Periodicals .6 Societies .7 Study and teaching .8 .9 History of chemic technology

661 Chemicals

.1 **Chemic elements** Divided like 546
.2 **Acids: sulfuric, nitric, etc.**
.3 **Alkalies: potash, soda, ammonia**
.4 **Salts** For common salt see 664.4
.5 Ammonia salts
.6 Sulfates and nitrates
.7 Cyanids

662 Pyrotechnics Explosivs, fuels etc.

.1 **Pyrotechnics**
.2 **Explosivs** See 622.23 Blasting; 623.4 Ordnance
.3 Gunpowder
.4 Fuses, percussion caps
.5 **Matches**
.6 **Fuel: coal, peat, natural gas, etc.**
.7 Charcoal, coke See also 644.22 Domestic economy 669.8 Metallurgy
.8 Artificial fuel See also 644.2 Domestic economy 669.8 Metallurgy

663 Beverages

See also 178 Temperance 614.34 Adulterations For milk see 637.1

.1 **Fermented**
.2 Wine
.3 Brewd
.4 Beer
.5 **Distild**
.6 **Artificial mineral waters: soda water**
.7
.8 **Mixing drinks** **Barkeepers manuals**
.9 **Chocolate, coco** **Commercial mixing of teas, coffees, etc.**

664 Foods

For Adulterations see 614.31 Public helth. See also 641 Domestic economy

.1 **Sugar, molasses, glucose, etc.**
.2 **Starch, tapioca, sago, etc.**
.3 **Artificial butter, oleomargarin** **Lard, compound lard**
For butter, milk, and cheese see 637 Dairy
.4 **Salt**
.5 **Spices** **Condiments**
.6 **Yeast** **Baking powder**
For bred see 641.631 Cookery
.7
.8 **Methods of preservation: fruits and vegetables**
.9 Preservation of meat and fish

665 Oils Gases

.1 Candles Torches
.2 Animal oils and fats See also 664.3 Foods
.3 Vegetable oils and fats
.4 Mineral oils: paraffin, ozocerite, asphaltum
.5 Petroleum, kerosene
.6 Lamps See also 644.32 Domestic economy
.7 Illuminating gases Calcium light
.8 Other gases
.9

666 Keramics Glas etc.

.1 Glas See also 748 Staind glas
.2 Enamel
.3 Keramics See also 738 Pottery, porcelain
.4 Clay See also 553.61 Economic geology
.5 Porcelain
.6 Stoneware, earthenware, pottery
.7 Bricks Tiles See also 691.4 Bilding materials; 695.3 Roofing
.8 Artificial stone See also 691.3 Bilding materials
.9 Cements Limes Mortars See also 691.5 Bilding materials

667 Bleaching, dyeing, etc.

.1 Bleaching
.2 Dyeing Artificial colors Silk and wool dyeing
.3 Cotton dyeing and calico printing
.4 Inks: writing inks, indelible inks
.5 Printing inks
.6 Paints and pigments See also 698.1 House painting; 751 Fine arts
.7 Varnishes Polish Lacker See also 698.3 Varnishing
.8 Japan Blacking
.9

668 Other organic chemic industries

.1 Soap
.2 Glycerin
.3 Glue
.4 Gums and resins
.5 Essences, perfumery, essential oils and ethers, etc.
See also 646.7 Toilet
.6 Fertilizers See also 631.8 Agriculture
.7 Distillation: coal tar, etc.

669 Metallurgy and assaying

History of metals goes here, not in 553, 622, nor 671

.1 Iron and steel
.2 Gold and silver
.3 Copper
.4 Led
.5 Zinc
.6 Tin
.7 Mercury and other metals
.8 Fuels and furnaces Slags
.9 Assaying

670 Manufactures

Specific topics go where of most interest. These heds ar for the *general* subject of metal, wood, etc. manufactures, and for such specific manufactures as ar not of more interest elsewhere. But an account of a specific manufacture is commonly most useful with its own subject; e. g. a steam engin is certainly made of metal, but its manufacture should go under 621.1, not 672. The caracter of the library often decides the place of greatest interest. An agricultural library would prefer the manufacture and everything about wood churns with the dairy, 637, while a manufacturing library might prefer it with other wood manufactures in 674. A general library wil incline to the special subject, as a more minute classification is thus obtaind, and references under 670 anser inquiries for all the library has on the subject of bras or rubber or paper manufactures. Whether groupt by use or material, if sought from the other standpoint, the references show the resources promptly. As a rule the use is the better classification, being more minute and oftener wanted. But if the uses ar various the general hed is better; e. g. bels ar for scores of distinct uses, but their manufacture is a unit; but all churns ar for the dairy

671 Articles made of metals

672 Of iron and steel; stoves, cutlery, etc.

673 Of copper and of bras, bronze and other industrial copper alloys

Bels etc. See also 739

674 Lumber and articles made of wood

For cabinet making see 684. For lumbering as a feature of forestry see 634.9

675 Lether and fur and articles made of them

For saddlery, shoemaking, gloves, belts, trunks etc. see 685

676 Paper and articles made of paper

677 Textil manufactures

SUMMARY

.028 General tecnic
.1–.5 Industries based on special fibers
.1–.4 Spinning mil industries
.1 Vegetable fibers in general
Flax and similar fibers: hemp, jute, etc.
.2 Cotton and similar fibers
.3 Animal fibers in general
Wool and similar fibers
.4 Silk " " " : rayon, etc.
.5 Industries of other fibers
.6 Special fabrics
.7 Cordage, trimmings, etc.
.8 Auxiliary industries

.01–.09 For full list of form divisions see Table 2 following relativ index

.028 Tecnic

For general discussions only. Tecnic applied to manufactures from special fibers should be clast in 677.1–.5. .028 and subdivisions may be used as form divisions applicable thruout 677 as needed where other provision has not been made

2 Processes

21 Preliminary processes, preparation of fibers

Cleaning, seed removal, rippling, ginning; separation of fibers, retting, breaking, scutching; oiling, etc.

22 Spinning, twisting, doubling, cabling, etc.

Reeling, spooling, throwing; winding in skeins or balls or on bobbins; boxing, etc.

23 Classifying and numbering yarns and threds

24 Weaving and braiding

Spooling, warping, sizing or dressing, finishing, calendering, singeing, etc.

27 Chemic processes: bleaching, dyeing, etc. See also 667 Chemic tecnology

3 Raw materials 4 Secondary materials: Chemicals, etc.

5 Machinery Apparatus Tools

Corresponding to processes indicated under 677.0282

51 For preliminary processes and preparing fibers

Pickers, beaters, boilers, dryers, breakers, combs, cards, willows, drawing frames, hackles, oilers, etc.

52 For spinning, twisting, doubling, cabling, etc.

Mules, jennies, throstle frames, etc.

53 For classifying and numbering

54 For weaving and braiding

Winders, warpers, dressers; looms, finishing machines, etc.

57 For chemic processes

677.0286 Textil products
61 Of spinning: warp and weft (filling) yarns
Carded, combd, thrown, etc. for weaving
62 Of twisting, doubling and cabling
Double yarn, sewing thred in skeins, balls, boxes, on bobbins, etc. for knitting, embroidery, etc.
64 Of weaving and braiding See also Special fabrics 677.6
67 " chemic processes
7 Tests of yarns, threds and fabrics
For accepting or rejecting
71 Chemic 73 Resistance
72 Microscopic 74 For moisture, etc.
8 Low grade products, byproducts, wastes
9 Substitutes, etc.

677.1–.5 Industries based on special fibers
.1–.4 Spinning mil industries

.1 Textil fibers of vegetable origin, q. v. in 633.5
Flax and similar fibers. Spinning mil industries only. For other textil uses see 677.54 Vegetable fibers not spun, 677.71 Cordage

May be divided like 677.028
.11 Flax industry
May be divided like 677.028, e.g. 677.1152 Spinning spreders and cutters, 677.116 Flax industry products: linen, etc.
.12 Hemp industry .13 Jute industry
.14 Sunn hemp and other hemplike and jutelike fibers, q.v. in 633.56
Spinning mil industries using various fibers from lignified sclerenchima of dicotiledonous stems, e.g. urena, roselle, etc. fibers
.15 Ramie or China gras and similar fibers
Spinning mil industries using various fibers from nonlignified sclerenchima of dicotiledonous stems, e.g. yercum, bauhinia, etc. fibers

.16 Leaf fibers, q.v. in 633.57–.58
.17 Stem fibers in general
.18 Fruit " " " , e.g. coir or coconut fibers, etc.
.19 Other types of vegetable fibers
Bark, root, peat, moss, seaweed, etc. fibers.

.2 Cotton and similar fibers Vegetable hairs

May be divided like 677.028
.21 True cotton industry
May be divided like 677.028, e.g. 677.218 Low grade cotton products and waste: cotton wadding, carded cotton, etc.
.22 Seed hairs in general
Typha wool industry, etc.
.23 Fruit hairs: kapok, silk cotton, etc.

677.3 **Textil fibers of animal origin**

Wool and similar fibers. Spinning mil industries only. For other textil uses see 677.56 Animal fibers not spun, 677.63 Felting and hat making

May be divided like 677.028

.31 Sheep wool industry

May be divided like 677.028, e.g. 677.313 Raw materials: sheep hair, flocks, flos, etc.

.32 Llama wool industry

Alpaca, guanaco, vicuña, etc.

.33 Goat hair industry

Cashmere, mohair, etc.

.34 Camel hair industry

.35 Rabbit " "

.36 Reworkt wool industry

.363 Reworkt wool yarn, mungo or felted rags, shoddy or unfelted rags

.37 Vegetable wool industry

.371 Pine wool .372 Peat fiber wool

May be divided like 677.028, e.g. 677.37121 Preliminary processes: pine needle distilation, 677.3718 Low grade products: pine needle essence, etc.

.38 Spinning industries using various animal hairs, fur, bristles, etc.

Dog, cat, horse, kangaroo, etc. hair

.39 Spinning industries using other types of fibers of animal origin

Fibers from fethers, internal organs, etc.

.4 **Silk and similar fibers**

Spinning industries only. For other textil uses see 677.6 Industries of special fabrics

May be divided like 677.028

.41 Mulberry silkworm (Bombyx) industry

May be divided like 677.028, e.g. 677.4161 Organzine, tram and other silk spinning products, 677.418 Low grade products: silk wadding, flos, etc.

.42 Other bombicid silk industries

Corah, pongee, tussah (tussor) silk industries. Wild silk in general

.423 Raw materials

Silk from oak silk worms, Japanese (yamamai); Chinese (pernyi), Indian (mylitta) silk, etc.

.43 Silk from nonbombicid caterpillars

.433 Raw materials

Silk from caterpillars feeding on the ailanthus, castor oil plant, etc.

.44 Silk waste or spun silk industries

.446 Bourrette, schappe and other silk waste fabrics

.45 Other natural silk fiber industries

.452 & .453 may be divided like 677.028

.452 Silks from insects without cocoons: silk spiders, etc.

.453 Molluscous silks: byssus silk, etc.

677.46 Artificial or synthetic silk industries
Cellulose silk or rayon
.461 Nitrocellulose fibers: collodion silk
.462 Cupramonia "
.463 Viscose fibers: cellulose dissolvd in carbon disulfid
.464 Cellulose acetate fibers
.465 Other cellulose esters
Formate, ethil cellulose, etc.
.468 Artificial silk from various cellulose solutions
With concentrated alkalin hydroxid or zinc chlorid base; with solutions of various concentrated salts; acid solutions, etc.
.47 Non-cellulose synthetic fibers
.472 From organic albuminoid or protein sources
Casein, fish, zein (maiz), soybean, etc.
.473 From inorganic protein sources
Polimeric amids, coal, etc. Nylon
.474 From gums or resins
.5 Industries of other fibers
Special fabrics or network obtaind by braiding or similar operations rather than by spinning and weaving proper, including general processes of corresponding industries, e.g. basketry, sparterie, etc. See 677.6 for fabrics made by other special processes but using ordinary textil fibers, e.g. felts, tapestries, laces, etc., 677.7 for cable and rope making and fancy trimmings
.51 Natural mineral fibers
Asbestos, amianthus; incombustible fabrics, etc.
.52 Artificial mineral fibers
Glas filaments, woven glas; mineral wool, slag wool, etc.
.53 Metal yarns, fabrics and nets
Perforated metal sheets and expanded metal; fabrics from gold, silver, etc; metal cloths and strainers; wire gratings; stampt or cut metal network, etc.
54 Vegetable fibers not spun: braiding and matting processes
.541 Straw and similar materials
Thatch, straw mats, etc.
.542 Sparterie: sparto (alfa), pandanus, lindenbast, etc.
.543 Osier or willow with industry Basketry
544 Rushes industry: rush matting, chair caning, etc.

677.545 Bamboo and rattan industry: matting, etc.

.546 Fibers obtaind as fine chips or shavings

Rice straw shavings, wood wool or pine chips, etc.

.547 Leaf fibers for braiding

.548 Fruit " " "

.549 Other types of vegetable fibers for braiding

.55 Elastic fibers and fabrics

Rubber weaving, etc. For rubber manufactures in general see 678

.56 Animal fibers not spun

Used for braiding and similar processes. Fabrics from hair or bristles, haircloth; fethers, intestinal fibers (see also 677.74 Catgut), whalebone, etc.

.57 Industries using paper fibers, strips, etc.

.6 Industries of mixt or special fabrics

Using various fibers in combination and manufactured by special processes. Manufacturing industries using the elementary yarns or cloths mentiond in the preceding groups

.61 Mixtures Composit fabrics

Plain; figured: damaskt, brocaded, flowerd; upholstery fabrics; cloth of gold; reversible; double warp and pile fabrics: rep, plush, velvet; imitations of fur, etc.

.62 Fabrics woven, fuld, felted or napt

Flannels, swanskins, blankets, lap robes, counterpanes, coverlets, etc.

.63 Felts proper Nonwoven felts

Felt carpets, felt hatmaking, etc. For hatmaking in general see 687.4

.64 Tapestry and carpet industry

.643 Woven carpet

Carpet industry in general. For felt carpets see 677.63

.65 Openwork fabrics: Gauz, grenadine, etc.

.653 Lace industry .655 Guipure lace

Point and embroidery lace

For upholstery lace see 677.76 Trimmings

.654 Tulle industry

.66 Mesht goods with chain and knotted stitches

Industries of knitting, crocheting (crochet lace), tatting, netting (game bags, fishnets), etc. For these processes in the home see 646.26–.27

.67 Industries weaving fabrics in tubular or conic form: seamless sacks, etc.

.68 Waxt or glazed fabrics

Gumd gauz, oilcloth, moleskin, glazed felt, linoleum, kamptulicon, oilsilk, etc.

677.7 **Cordage, trimmings, etc.**

Industries using textil and metal fibers for manufacturing products other than cloth, matting, openwork and mesht fabrics, etc.

.71 Vegetable and animal cordage; hemp, flax, silk, wool, etc.

.72 Metal cordage and cables Dynamic cables

For mecanical transmission of power, etc.

.73 Conducting wires and cables

Telefone, telegraf, submarine, etc. cables

.74 Catgut and similar cords

Silk, silverd, etc. cords for music instruments, knife grinders, rackets, whips, hats, saddle bows, clocks, etc.

.75 Cords, braids, lacings, ribbons, etc. in general

.76 Trimmings Passementerie

Galloons, fringes, beading, etc. for furniture, carriages, uniforms, etc.

.77 Embroidery industry in general

.8 **Auxiliary industries**

Manufacturing cards for Jacquard looms, etc.

678 Rubber and similar products and articles made of them

679 Celluloid and other

680 Mechanic trades Amateur manuals

For bilding trades see 690

681 Fine mechanism Instruments of precision Watch and clock making

Catalogs of miscellaneous instruments. Clas special instruments with their subjects

.1 Apparatus with wheels or motor mekanisms

.11 Horology Watch and clock making

See also in astronomy 529.78

.111 Clock sistems

1 Ancient clocks

Sundials, water clocks, clepsydras

.112 Constitutent parts of clocks

Making and repairing. Tools

1 Movements: with weights, with springs Barrels

2 Wheels Gears

Hour wheels, minute wheels

3 Striking devices: bels, carillons

4 Escapements Balance wheels Springs Pendulums

Regulating devices

5 Bearings: friction and lubrication

7 Adjusting Regulating

8 Repairing

9 Watchmakers implements

.113 Clocks

See also 681.115 Pneumatic clocks, 681.116 Electric clocks

1 House clocks

For clocks considerd as artistic furniture see 749

2 Astronomic clocks

3 Public " Tower clocks

Strassburg clock

4 Musical clocks

5 Drawing room clocks

6 Travel clocks

7 Alarm "

.114 Watches Chronometers

For watches considerd from viewpoint of artistic watchcases see 739

1 Watches for ordinary use

2 " with second hands

3 Repeater watches

4 Chronometers for ordinary use

5 Marine chronometers

.115 Pneumatic clocks

1 Motor clocks Canalization

2 Receiving clocks: public or private

.116 Electric clocks Standard clock sistems

1 Distributing regulators

2 Sistem for transmitting time at a distance

3 Sistems of direct transmission

Minute receivers

681.117 Curiosities of clockmaking
1 **Mysterious clocks**
2 " **watches**
3 **Automaton clocks**
.118 Time reckoners
Chronografs and other apparatus for mesuring time
1 **Reckoners by seconds or fractions of seconds**
Stop watches
2 **Tower reckoners**
3 **Metronomes**
4 **Chronografic reckoners** **Mesurers of velocity**
5 **Reckoners of interruption**
6 **Alarm reckoners**
7 **Time clocks**
.119 Other horology apparatus
1 **Portable sundials**
2 **Hour glasses**
.12 Reckoners of consumption
.121 Water meters
.122 Gas "
.124 Vehicle reckoners Taximeters
.13 Automatic distributers or producers of various effects
.131 Distributers of objects prepared in advance
.132 Distributers of objects transformd by the apparatus itself
Apparatus for printing metal labels
.133 Apparatus for producing images and fotografs Projection lanterns
.134 Moving picture apparatus
.135 Sound producers Automatic fonografs
See also 681.8432 Fonografs; construction
.14 Calculating, counting and registering machines
Tho not all wheel machines, there may under this hed be brought together calculating machines of all types. Manufacture of these machines may be clast here or under numbers indicating their use
.141 Arithmetic machines Adding machines Arithmometers
See also in offis economy 651.2641
.142 Machines for solving equations
See also Equations in Relativ index
.143 Logarithmic instruments
Calculativ rulers and circles. See also Mathematics 510.8
.144 Abacus and apparatus for grafic tables
See also Arithmetic 511.2 and Offis economy 651.2645
.145 Machines for money counting Automatic safes

681.15 Toys and apparatus with automatic mekanical movements
See also 681.82 Automatic musical instruments

.151 Automatons imitating human actions

.152 Automatic animals

.153 Complex toys imitating actions of persons and animals

.154 Automatic machines and apparatus moving on the ground
Carriages, wagons

.155 Automatic animals and apparatus moving in water
Fish; boats

.156 Automatic animals and apparatus moving in the air
Flying birds; balloons

.2 Scientific instruments of wood or metal for mesurements and observations

Manufacture of the various instruments uzed in pure and applied science, to observ, ascertain, mesure or register, may be clast with the use of those instruments in 500–600 or (except those provided for under 631.3–.7) may be brought together here, the special kind of instrument being indicated by clas number for its use, following a colon; e. g. 681.2:534 Manufacture of acoustic apparatus, 681.2:617 Manufacture of surgical instruments, 681.2:631.3 Manufacture of farm machinery; or .25–.26 may be divided like 500–600

.3 Apparatus for glas blowing

Glasblowing or enameling with blowpipe or lamp. See also 666.1–.2
Special instruments may be clast under number for their use or may be brought together here as noted under 681.2

.4 Optical instruments Optician's trade

See also 522 Practical astronomy, 535.8 Applications of optics
As noted under 681.2–.3, manufacture of instruments may be clast under number for their use or may be brought together here and subdivided by number for use, e. g. 681.45222 Manufacture of telescopes

.41 Various kinds of optic instruments

.411 Spectacles Eye glasses

.412 Instruments for distance observation
Opera glasses; spy glasses

.413 Magnifying glasses
Reading glasses; microscopes

.414 Spectroscopes

.415 Photometers

.416 Polarimeters

.42 Optic glasses
Oculist's glasses; plate glas; mirrors; prisms; lenses

.43 Frames and metal parts
Optic screw

.44 Setting and adjusting

.45–.47 divided like 500–700

681.6 Machines for writing, shorthand, composing, printing, numbering, stamping, effacing

For description and use of these machines see the following numbers, under which the manufacture also may be clast if preferd: 652 Writing machines, typers; 653 Shorthand; 655.2–.3 Printing; 667.3 Calico printing; 760 Engraving; 775 Fotolithografy

.61 Writing, shorthand and composing machines

.611 General questions

1 **Universal keyboard Ideal keyboard Manipulators**

2 **Mekanical transmission**

Comprest air transmission; electric transmission

3 **Inking by ribbon; by pad**

.612 Ordinary typewriters

With hidden writing; with visible writing

1 **Machines with keyboards and separate levers: hidden writing**

11 With complete keyboard and single letter on a key

12 " combined " " 2 letters " " "

13 " " " " 3 " " " "

2 **Machines with keyboards and separate levers: visible writing**

Subdivided like 681.6121

3 **Machines with keyboards and type wheels, segments or barrels**

4 **Hand operated machines**

41 With type on cylinders

42 " " " disks

43 " " " rule

44 " " " frame

5 **Other kinds of writing machines with mekanical movemen**

6 **Machines with transmission by comprest air**

7 " " " " electricity

8 **Accessories of ordinary writing machines**

Tables, etc.

.613 Machines for special kinds of writing

1 **For embost caracters**

Writing machines for blind. See also 655.38 Printing for blind

2 **For conventional caracters**

Perforating machines

3 **For shorthand**

4 " **distance writing**

Telescriptor

614 Writing and composing machines for printing

681.62 Copying and printing presses

.621 Hand copying and printing presses

1 **Copying presses**

2 **Printing "**

.622 Hand typografic presses

Old wooden presses; iron presses

.623 Typografic presses with pedals

.624 Mekanical typografic presses

1 **For printing in black**

2 **" " " colors**

.625 Special presses for various kinds of printing

1 **For copper plate printing**

2 **" lithografic and zincografic printing**

3 **" fotografic printing**

4 **" chromografic "**

5 **" printing wall paper**

6 **" " fabrics**

See also 667.3 Calico printing

.626 Machines for stamping, numbering, dating, effacing

1 **For stamping and labeling**

Moist stamps; dry stamps. Composing sticks. Inkpads. Inkpad boxes

2 **Numbering machines and stamps**

Automatic numberers. Frame for numbering

3 **Dating machines**

Date stamps: movable, perpetual

4 **Effacing and perforating machines**

.63 Apparatus for telecommunication

Machines and apparatus for transmitting at a distance signals, writing or words

See also in engineering 621.38 Electric communication; in communication 654 Telegraf, cables, signals

.631 For short distance transmission of various acoustic or mekanical signals

See also in engineering 621.386 Telefone instruments, in offis economy 651.262 Oral communication

1 **By comprest air transmission**

See also in engineering 621.53 Comprest air transmission

2 **By comprest water transmission**

.632 For fotografic transmission

.7 Machines for manual labor and involving instruments of precision

Special machines may be clast under number for their use or may be brought together here and distinguisht
as noted under 681.2

681.8 Music instruments

Manufacture of music instruments is preferably clast in 781.91 Music instruments in general, 786–789 special instruments, but may be kept here, classing under 681.81 the ordinary musical instruments, and under 681.82–.84 some of the less important and the accessory instruments

.81 Ordinary music instruments

See note under 681.8. If manufacture of ordinary instruments is clast here, this number may be subdivided like 780, e. g. 681.8171 Manufacture of violin

.82 Automatic and independent instruments

.821 Street organ

.822 Music boxes

.823 Mekanical pianos and organs

.824 Orchestrions

.825 Song-birds and instruments imitating song and speech

.83 Semi-automatic adapted to ordinary instruments

.831 To keyboard instruments

Melotropes, pianistas, eolians, etc.

.832 To stringd instruments

.833 " wind "

.834 " percussion "

.84 Instruments registering and reproducing musical compositions and voices

.841 Merely registering movements of piano keys

Melografs

.842 Merely registering sounds

.843 Registering and reproducing sounds

1 **Talking machines**

2 **Phonografs Gramofones**

See also 681.135 Automatic phonografs

21 Cylinder phonografs

22 Disk "

682 Blacksmithing

.1 **Horseshoeing**

See also Zootechny, 636.0834 Shoeing

683 Lock and gun making

684 Carriage and cabinet making Furniture and furnishings

Furniture. See also 749 Artistic furniture; 604.7 Fine joinery, interior finish. Highway vehicles for separate tractors, either animal or motor. For motor vehicles see 629.2

685 Saddlery Belt-, shoe-, glove-making, etc. Travel equipment

Saddles and harnesses, shoes, and travel and camp equipment. See also 675 Lether industry

.1 Saddlery Harness making

.2 Beltmaking

.3 Shoemaking Wooden-shoe trade

.31 Shoemaking properly so-cald

.311 Ancient shoes Theater shoes

.312 Ordinary modern shoes of lether and fabric

.314 Various special shoes
Slippers, gaiters etc.

.32 Wooden-shoe making

.36 Footwear and special apparatus for moving on ice or snow

.361 Ordinary skates

.362 Roller skates

.363 Snow shoes Skis

.37 Special apparatus for moving on the ground
Stilts

.38 Walking apparatus for infirm and wounded
See also 617.92 Orthopedic appliances

.381 Crutches

.382 Wooden legs

.4 Gloves Mittens

.41 Gloves of common lethers

.42 Long lether gloves Evening gloves Ladies fancy gloves, etc.

.43 Furred and lined lether gloves

.431 Fur gloves

.432 " mittens

.433 Stuft gloves Boxing gloves

.434 Armd gloves Gantlets

.44 Gloves of woven textils, cut and sewed Ribd gloves of silk or wool

.46 Gloves entirely woven Knit gloves of cotton, flax, wool, silk etc. Filet silk gloves

.47 Mittens Mitts

.48 Glove fastenings

685.5 **Travel and camp equipment**
.51 Travel articles of lether and fabrics
.511 Trunks
Of wood and fabrie, of lether, of wicker and lether
.512 Valises Portmanteaus
.513 Overnight bags
.514 Saddle bags Game bags Cartridge boxes
.516 Canteens
.517 Hampers for excursions and picnics
.53 Camping articles
.531 Tents and knock-down huts
.532 Temporary shelters
.533 Folding beds
.534 Hammocks Hanging seats
.535 Portable seats Folding seats
.536 Other tent furnishings
Tables; stands
.537 Seats with canopies
.6 **Articles for public or society games**

686 Bookbinding

687 Clothing industries
See also 685.2-.4
.1 **Redymade clothing Sewing Tailoring**
Outerwear
.11 Men's clothing
.12 Women's "
.13 Children's "
.15 Uniforms and special garments
Civil; military; ceremonial; religious
.2 **Underwear**
.3 **Hosiery**
See also manufactures 677.661 Knitgoods
.4 **Hats**
.8 **Auxiliary industries**
Fasteners; buttons, hooks, eyes, snaps, etc.

688

689 Other trades

690 Bilding

For Architectural construction, see 721

.1 Theories of construction .2 Compends, manuals .3 Dictionaries, cyclopedias .4 Essays, lectures .5 Periodicals .6 Societies, exhibitions .7 Education, study, training, apprentisship, tools and their use (for use of special tools see special trade) .8 Collections, patents, inventions .9 History of bilding construction

691 Materials Preservativ processes

Waterproofing See also 620.1 Strength of materials

.1 Wood Creosoting, etc.
.2 Natural stone Paraffining, etc.
.3 Artificial stone Concrete
.4 Bricks Tiles Other keramic products
.5 Lime Cement Plaster
.6 Glas
.7 Iron Steel Antirust processes
.8 Other metals
.9 Other materials

692 Plans Specifications, etc.

.1 General drawings
.2 Detail drawings
.3 Specifications
.4 Contracts Agreements Bids Advertisements
.5 Estimates Quantities Costs
.6 Superintendence
.7 Supervision of accounts
.8 Professional servises Fees Commissions
.9 Bilding laws Liabilities of architects, owners, and contractors

693 Masonry Plastering Fireproofing, sound-proofing, etc.

.1 Stone construction
.11 Bonds of stone work
.12 Cutting and dressing of stone
See 515.8 Stereotomy; 736 Stone carving
.2 Brick construction
.21 Bonds of brick work
.22 Adobe or sundried brick, etc.
.3 Terra cotta construction Tile
.4 Hollow tile and porous terra cotta construction
.5 Concrete and beton construction
.6 Plastering
.61 External plastering and stucco
.62 Internal plastering
.63 Ornamental plaster work
.64 Scagliola
.65 Wooden lath
.66 Metal lath (Wire, etc.)
.67 Mineral wool linings, etc.
.7
.8 Fireproofing
.9

694 Carpentry: joinery, stairbilding

.1 Wood construction; general
.2 Joints of woodwork Framing
.3 Strengthend beams
.4 Posts Colums See also 721.31
.5 Paneld and lattist construction
.6 Joinery, general For Finishing, varnish, polish, etc. see 698.3
.7 Ornamental joinery Cabinet work
For cabinetmaking see 684
.8 Stairbilding See also 515.83 Stereotomy
.9 Other branches See also 721.87–.89

695 Roofing: slating, tiling For roof construction see 721.5

.1 Wood: shingle
.2 Slate
.3 Tile
.4 Metal: tin, copper, led, zinc
.5 Iron
.6 Asfalt Tar Concrete (Melted)
.7 Felt Asbestos Paper (In rolls)
.8 Textil: duck, canvas
.9 Thatch and other coverings

696 Plumbing Gas and steam fitting, etc.

.1 **Plumbing** For principles of sanitation see 628
.2 **Gasfitting**
.3 **Steamfitting**
.4 **Rivets and riveted joints**
.5 **Screws and screw joints**
.6 **Rust or calkt joints**
.7 **Anchors Band irons**
.8 **Other branches**
.9 **Plumbing laws** See also 614 Public helth

697 Heating and ventilation

See also sanitary engineering, 628.8; home economics, 644. For lighting see 628.9

.1 **Fireplaces**
.2 **Stoves**
.3 **Furnaces**
.4 **Hot water, high and low pressure**
.5 **Steam, high and low pressure**
For boilers, see 621.184; for power plants, see 621.19
.6 **Gas: coal gas, water gas, natural gas**
.7 **Electric and other methods**
.8 **Smoke flues and chimneys**
.9 **Ventilation: air ducts, condits, fans, air conditioning**

698 Painting Glazing Paperhanging Tapestry

.1 **Painting Oil**
.2 Distemper and fresco
.3 Varnishing Polishing
.4 Other modes of protection
.5 **Glazing** For Staind glass see 748
.6 **Paperhanging**
.7 **Textil hangings: tapestry**
For tapestry design, see 745
.8 **Relief work: lincrusta, stampt lether, etc.**
.9 **Other branches**

699 Carbilding

Railway and tramway cars, passenger and freight, with or without motors. For highway cars see 629.2

Fine Arts
Recreation

700 Fine arts

For complete list of form divisions see Table 2 after Relativ index. Collected writings on Fine arts in general ar to be clast in 704.9 divided like 08 as given in Table 2

701 Philosofy Theory

.1 General conception Nature and character

Definition, limits and extent

.15 **Psicology of art**

Imagination in art, etc.

.16 **Stile**

General characteristics of stile in art. Special stiles: impressionistic, surrealist, etc.

.17 **Esthetics**

Beauty, sublimity, grace, proportion, symmetry, rithm, pictureskness, groteskness (the comic), ugliness, taste, etc.

.18 **Criticism in art**

.8 Tecnical methods Models

702 Compends Handbooks Outlines

703 Dictionaries Cyclopedias

704 Essays Lectures Addresses Collected works

.9 Collected works

Divided like 08 in Table 2 after Relativ index

.94 **Iconografy Cartografy**

Albums, atlases, portfolios. Include here general discussions of special objects as represented in art

.941 General questions

.942 Human figures Portraits

Nude, clothed or draped figures; groups: genre, historical, etc.

4 Women 5 Children

See also 136.757 Childstudy

704.943 Nature
Esthetic aspects, etc. Stil life, scenery, landscapes, marines, seascapes, etc.
2 Animals 4 Plants Flowers
.944 Buildings Architectural subjects
.945 Devices Patterns Ornamentation
.946 Symbolism Emblematic art Allegoric figures
Dance of deth, etc. See also 246.5 Emblematic art in Eeclesiology
.947 Mythology Heroes Legends Fables
.948 Religious art
See also 246 Ecclesiology
1 General questions
2 Christian art and sybmolism
3 Early Christian and medieval
Art of the eatacombs, Byzantine art
4 Bible illustrations
Bible characters (see also 704.9486 Apostles, saints, etc.), Last judgment, special parts of the Bible, etc.
5 Trinity in art
God; Christ, Good Shepherd and similar figures, 2d coming, etc., Holy family; Holy spirit
6 Apostles Saints Angels Nimbuses, aureolas, etc.
See also 704.9484 Bible characters in general
7 Devils
8 Other Christian art
9 Non-Christian religious art
.949 Other special objects
May be divided like the whole classification
705 Periodicals Annuals Directories
706 Organizations Societies
.9 Persons in relation to art
Artists: professional, amateur; art critics and historians; art colleetors, patrons, etc.
707 Art education Study and teaching

708 Art galleries and museums

For museum economy, collecting, etc. as applied to art 708.001–.009 may be divided so far as needed like 069.01–.09 and 708.01–.09 like 069.1–.9; e.g. 708.0017 Private art collections, 708.051 Collecting art materials. For general collected writings on art use 704.9, general art exhibitions 707.4

Arrangement may be alfabetic by city and gallery or by geografic subdivisions as given under each number below

.1 American: Boston, Corcoran, Metropolitan, etc.

May be divided like 970, e.g. 708.153 Corcoran art gallery, Washington, D. C.

.2 English: Hampton Court, National, Windsor, etc.

May be divided like 942, e.g. 708.219 Hampton Court, Middlesex, Eng.

.3 German: Berlin, Dresden, Munich, etc. Austrian: Vienna, etc. Polish, Hungarian, etc.

May be divided like 943, e.g. 708.315 Berlin

.4 French: Louvre, Luxembourg, etc.

May be divided like 944, e.g. 708.436 Louvre, Paris

.5 Italian: Barbonico, Medici, Pitti, Sistine, Vatican, etc.

May be divided like 945, e.g. 708.56 Vatican

.6 Spanish: Madrid, Seville, etc. Portuguese

May be divided like 946, e.g. 708.64 Madrid

.7 Russian: Hermitage, Leningrad, Moscow, etc. Finnish, etc.

May be divided like 947, e.g. 708.74 Hermitage, Leningrad

.8 Scandinavian: Copenhagen, etc.

May be divided like 948, e.g. 708.89 Copenhagen, Denmark

.9 Other countries

Divided like 930–999; e.g. 708.9492 Amsterdam, Netherlands; 708.9521351 Tokyo, Japan

709 History of art in general Divided like 930-999

710 Landscape and civic art

For complete list of form divisions see Table 2 after Relativ index

SUMMARY

711 Regional and city planning
712 Landscape architecture Landscape gardening
713 Landscape construction and maintenance
714 Water features
715 Vegetation Trees, shrubs, hedges
716 Herbaceous plants
717 Structural elements
718 Cemeteries Monuments Mausoleums
719 Natural landscapes Scenery

711 Regional and city planning

The intelligent control and guidance of the phisical conformation, growth and alteration of cities, towns, [districts] or considerable parts thereof, considerd in their entirety. (F. L. Olmsted)

For general description of special cities see 913–919. 711.093–.099 may be used for city plans and descriptions of individual cities from standpoint of city planning. For form divisions see Table 2 after Relativ index

SUMMARY

.1 General questions
.2 National and international planning
.3 Regions Regional planning
.4 Localities: cities, towns, villages
.5 Districting Zoning
.6 City building
.7 Transportation system
.8 Condits Wires
.9 Other topics

.1 General questions

City planning movement, municipal improvement, civic betterment movement, etc.; development, plans, etc. See also 712.1 Landscape improvement movement

.11 Stages of development

Investigation of stage of development, civic development surveys

711.12 Types of development . Professional practis

Spontaneous v. pland development: purpose, activities, progress, etc.; organization (see also 711.173 Administrativ agencies), publicity, action by community. Data: collection and presentation. Making, composition and presentation of city plans: economic and esthetic design, etc. Direction or supervizion of construction and maintenance. Special aspects of city plans, general considerations and broad relations: social aspects, social ethics, etc. (see also 711.13 Demografy); esthetic aspects, civic beauty, etc. (see also 711.65 Color of buildings); historical aspects, truth to historical type, preservation of individuality and historical features (see also 711.52 Archeologic centers, 719.353 Historical reservations)

.13 Demografy Population Social conditions

Man-made environment; growth and changes of population. Centralization, citiward movement v. decentralization, countriward movement. Concentration in high buildings, congestion of population (see also 711.552 Density in commercial and industrial centers, 711.65 Structures according to height). Housing (see also 331.833 Housing of laboring classes, 711.48 Residential cities, 711.58 Residential districts, 711.667 Residences). Industrial conditions. Transportation, circulation (see also 711.7 Transportation system). Public helth and safety, sanitation, defense (see also 614 Public helth in Medicin, 623 Military enginecring, 628 Sanitary engineering). Public education (see also 370 Education, 711.666 Education buildings). Public recreation (see also 711.52 Open spaces, 711.558 Recreation areas, 711.668 Buildings for recreation, 712–719 Parks and gardens, 790 Amusements). See also 312 Demografic statistics, 711.12 Social aspects of city plans, 711.423 Types of cities according to ethnografic character

.14 Economics

Economic resources, land economics and policy (see also 333 Land in Economics). Advantages or disadvantages of situation, etc. Land valuation, use of land, effect of taxation on land development. Economics of land subdivision and arrangement (see also 711.63 Blocks and lots). Natural conditions and environment: topografy, city sites (see also 711.421 Types of cities according to topografy, 711.76 Waterways and waterfronts, 712.53 Water parks, 719.346–.348 Shore reservations); climate (see also 711.422 Types of cities according to climate); soil, geologic character and type, subsoil, fertility, etc.; natural resources, mineral welth, water power, etc. Artificial topografy: removal of hils, filling low or submerged areas, reclamation. Commercial and industrial opportunities; etc.

.15 Financial conditions

Municipal finances in relation to city planning. See also 352.1 Local government finance

711.16 Changes involvd in pland development

Arrangement and rearrangement; evacuation and destruction of districts, slum clearance; changing purpose of buildings, districts, etc.; rehabilitation; extension. See also 711.52 Civic unity

.17 Legislation and administration

Legal and administrativ conditions, limitations of existing legislation, etc.

.172 Legislation

Creating or empowering administrativ agents. Laws relating to public and private properties, rights, etc. Acquisition of land and other privately ownd property and utilities. Creation of easements, rights of way, etc.

.173 Administration

Public agencies (see also 352.5 Municipal public works): relation of national, state and municipal agencies, etc.; existing public agencies: departments, etc. of city engineers, public works, parks, harbors, ports, etc.; specially created public agencies: city planning departments and commissions, art commissions, etc.; public consultation and employment of experts (including discussions covering both official and unofficial consultation of experts). Private agencies, public service corporations. See also 711.12 Agencies promoting city planning movement

.2 National and international planning

Planning for units larger than regions

.3 Regions Regional planning

See also 711.582 Rural planning

.31 General questions

May be divided like 711.1, e.g. 711.314 Economic aspects of regional planning

.32 Regions according to external aspects

Uncultivated, forested (see also 719.332 Forest reservs), agricultural or cultivated, mining and quarry, industrial or manufacturing, sightseeing and recreation, composit, etc. regions. See also 711.5 Zoning

.33 Regions according to political status and size

Planning for large and small regions; state and interstate planning; counties, political districts, etc. For national and international planning see 711.2

.35, .37–.38 may be used and divided like 711.5, .7–.8

E.g. 711.35 Regional zoning, 711.352 Regional design, etc. In general prefer 711.5, .7–.8

711.4 Localities: cities, towns, villages

Types of city plans

.41 General questions

Types of plats, group forms. See also 711.63 Blocks and lots

.412 Informal grouping

Radiocentric, curvilinear; scattcrd, cowpath, 'chemin des ânes'; rectilinear, composit

.413 Formal grouping

Gridiron, chesboard, Penn plan, Roman camp; gridiron and diagonal, L'Enfant plan; radius and round-point, arterial and radial, spider web

.414 Military and naval towns Fortified towns Strongholds

War camp sites. See also 623 Military and naval engineering, 711.67 Fortifications, 711.763 Defensiv works of bays, harbors and basins, 719.37 Military and naval reservations

.415 Sanitary plat

See also 628 Sanitary engineering

.416 Linear cities

Shoestring arrangement, tentacular and ribbon development

.417 Satellite cities Twin cities

.42 Types of places in general

.421 According to topografy

Cities on plains; hilly or mountainous country; in valleys, on hiltops, etc. Coast or shore cities (see also 711.455 Watering places); island cities; river cities (see also 711.762 Rivers). See also 711.14 Topografic conditions of site

.422 According to climate

See also 711.14 Climatic conditions of site

.423 According to ethnografic character and types of population

Caves, caverns, clif dwellers; etc.; primitiv cities (for Ancient and primitiv city planning use 711.0901); early lake cities, European lake dwellers, etc. (for modern lake cities see 711.421 Shore and island cities); cities in trees. Cities according to race (Semitic, Aryan, Teutonic, English, etc.) and nationality. See also 711.13 Demografy, population

711.424 According to historical, monumental or architectural character

Places according to international, national, regional or local architectural stiles; skiscraper cities, etc. (see also 711.65 Architectural stile of buildings, 722–724 Architecture). Ded or abandond towns. See also 711.52 Archeologic centers, 719.353 Historical reservations

.425 Inner cities

E.g. City of London, Forbidden city (Peiping)

.426 According to materials used

May be divided like 691, e.g. 711.4262 Cities predominantly of stone structures. See also 711.65 Building materials and types of construction

.427 Imaginary places Utopias

Ideal or model types. See also 321.07 Political utopias

.43 Places according to size or importance

Metropolises; large, medium size and small cities and towns; villages, village improvement movement; civil parishes, hamlets; boros; urban districts

.45 Places according to dominant function

See also 711.55–.58 Functional centers, which, in general, prefer. Subdivisions of 711.45–.48 and of 711.55–.58 ar parallel and interchangeable as needed. See also 711.66 Structures according to use

.451 Governmental Capitals

.452 Commercial

Distributing centers in general

.453 **Shipping points**

Railroad, port and harbor, and airport towns. See also 711.753 Railroads, 711.76 Waterways, 711.772 Aviation terminals

.454 **Industrial**

2–99 may be divided like 620–699, with 1 divided like the whole classification for other industries; e.g. 711.45422 Mining towns

.455 Helth and plesure resorts

Watering places: seashore, lake, hot spring and hil or mountain resorts (see also 711.421 Coast or shore cities); sanitarium towns; places of retirement, suburbs of unhelthy cities. See also 613.12 Hygiene of helth resorts

.458 World city World civic center

.46 Religious

Cathedral towns, etc.

.47 Educational

College and university towns

.48 Residential

See also 711.13 Housing, 711.667 Residences

711.5 **Districting Zoning**

Organization and subdivision of city area by dominant function. See also 711.32 Regions according to external aspects

.51 General questions

.52 Differential concentration of zones and districts

Types of zones, centers and districts in general. Civic unity: group design, interrelation of buildings in groups (see also 711.16 Changes involvd in pland development). Open spaces, squares, public and quasi-public, other than for traffic (see also 711.13 Public recreation, 711.551 Centers for public works, 711.558 Recreation areas, 712–719 Landscape architecture, parks and gardens). Centers and buildings of archeologic and historical interest (see also 711.12 Preservation of historical features, 711.424 Places according to historical character, 719.353 Historical reservations). Blighted areas

.55 Functional centers Building groups

See also 711.45–.48 Places according to dominant function, 711.632 Blocks according to types of occupancy, 711.66 Structures according to use, 712.55–.58 Grounds of public buildings, 712.7 Private grounds, 717.62 Building groups in Landscape architecture. 711.55–.58 has been developt largely parallel with 725–728 from which further subdivisions may be borrowd as desired, except where other special provision has been made below

.551 Civic centers

Administrativ, governmental; centers for public works: water, gas, electricity, etc. See also 711.52 Open spaces, 719.333–.335 Water supply reservs

.552 Commercial and industrial centers Business districts

Relation to transportation facilities (see also 711.7 Transportation system). Location: urban v. suburban, industrial suburbs, 'garden city' principle of location and development, etc. (see also 711.582 Garden cities). Density of development: intensivness of occupancy, general character of building development (see also 711.13 Congestion, 711.65 Structures according to height, form and material). Retail, shopping, wholesale, office, financial, market, etc. districts; markets (see also 712.524 Market places in landscape architecture). See also 711.662 Business and commercial buildings

.553 **Shipping centers**

Railroad, port, warehouse and airport districts; station areas, etc. See also 711.663 Buildings for transportation and storage, 711.753 Railroads, 711.76 Waterfronts, 711.772 Aviation terminals

.554 **Industrial centers**

See note under 711.454 for method of subarrangement. See also 711.559 Boundary areas, 711.764 Industrial waterfronts

711.555 Centers for hygienic, helth and safety institutions

Hospital, asilum, etc. areas

.556 Prison and reformatory zones

.557 Zones for travelers and temporary residence

Hotel and restaurant districts, tourist camps, etc.

.558 Recreation and amusement centers

See also 711.13 Public recreation, 711.52 Open spaces, 711.7 Transportation system, 712–719 Parks and gardens

.559 Boundary areas Boundaries

Approaches and entrances; defensiv areas. See also 711.554 Agricultural areas, 711.67 Boundary structures, 711.77 Terminal facilities

.56 Religious centers and communities

.57 Intellectual and educational centers

Areas for libraries, museums, exposition groups, academies, schools, etc.

.58 Residential centers Neighborhood planning

See also 711.13 Housing, 711.48 Residential cities, 711.632 Residential blocks, 711.667 Residences, 711.74 Residential streets, 712.646 Estates designd collectivly, 728 Residential architecture

.581 **General questions**

Density of population, intensivness of occupancy, number of houses to acre, etc.

.582 **Nonurban or residential areas**

Rural improvement movement and planning, countriside improvement (see also 630.1 Improvement of country life conditions, 711.3 Regional planning). Workmen's cities and settlements (see also 362.56 Free colonies). Garden cities and villages, subsistance towns (see also 711.552 Industrial suburbs, 711.583 Garden suburbs). Country seats or villas (see also 712.64 Private estates). Temporary colonies, encampments

.583 **Urban and suburban residential areas**

Districts distinguisht by predominant type of residences. Districts for welthy, middle and poorer classes (see also 712.647 Estates for special classes of people). Tenement areas, slums; cottage areas; apartment house districts, etc. (see also 711.62 Arrangement of structures). Garden suburbs (see also 711.582 Garden cities). Residential park districts. Suburban cities and towns (see also 712.643 Suburban estates). See also 711.7 Transportation system

.585 **Undesirable and unhelthy districts**

.586 **Uninhabitable districts and houses**

For blighted areas in general see 711.52

.588 **Racial centers**

711.6 City building

Structural elements; site planning. See also 717 Structural elements in Landscape architecture

.61 General questions

Professional considerations; relation of structures to surroundings; legislation, restrictions (see also 614.85 Building laws, 711.65 Limitation of height and form); data, design, construction and maintenance, cost, special aspects

.62 Arrangement of structures

Between party walls, buildings in block, terraces; semi-detacht; detacht. See also 711.583 Districts distinguisht by predominant type of residences, 711.667 Residences

.63 Blocks and lots Land subdivision

See also 711.14 Economics of land subdivision, 711.41 Types of plats, 712.646 Estates designd collectivly

.631 General questions

.632 Blocks

Adaptability to development, size, shape, orientation, topografy (see also 711.722 Orientation of streets). Relation to other blocks, treatment of boundaries, etc. (see also 711.67 Boundary structures). Relation to street (see also 711.721 Proportion of street to block area). Subdivision into lots. Relation of area to buildings thereon, block interiors, corner reservations, etc. Types of occupancy (see also 711.55–.58 Functional centers, 711.66 Structures according to use, 712.546 Block interior playgrounds, 712.6247 Garden design in relation to structures)

.633 Lots

See note under 711.632 for types of topics included. See also 712.642 House lots in Landscape architecture

.64 Alinements

On street front, at rear, spacing of structures, density, elements out of alinement, view obstructing elements, projections. See also 711.725 Relation of streets to buildings

.65 Structures according to height, form and material

Skiscrapers, limitation of height (see also 711.13 Concentration in high buildings, 711.552 Density of development, 711.725 Relation of street to height of buildings). Limitation of form, pyramidal form, etc. Architectural stile and details (see also 711.424 Places according to architectural stile, 722–724 Architecture, 729.3 Elementary architectural forms). Materials and types of construction (see also 711.426 Places according to materials used, 711.552 General character of building development, 721 Architectural construction); color (see also 711.12 Esthetic aspects of city plans); resistance to fire (see also 614.841 Fire prevention, 693.8 Fireproofing). See also 614.85 Building laws, 711.61 City building legislation, 720 Architecture

711.66 Structures according to use

Individual structures; for building groups see 711.55–.58. See also 711.45–.48 Places according to dominant function, 711.632 Types of block occupancy, 712.58 Grounds of public buildings, 712.7 Private grounds, 725–728 Architecture

.661 Public buildings Governmental and civil

Including national, state and municipal buildings. Administrativ buildings: capitols, court houses, city halls, etc. Buildings for special municipal services: fire and police stations, prisons, reformatories; pumping stations, sewerage and sewage disposal buildings; gas tanks; power houses; municipal incinerators, stables, etc.

.662 Business and commercial buildings

Stores, retail and wholesale; office buildings; financial institutions: banks, etc.; markets, market buildings; refreshment establishments: cafés, saloons, etc.

.663 Buildings for transportation and storage

Railroad stations, warehouses, etc. For port structures see 711.764. See also 711.753 Railroad station areas, 711.77 Terminals

.664 Industrial buildings

Factories, mils, etc. See note under 711.454 for suggested method of arrangement

.665 Hospitals, asilums, etc.

.666 Religious and educational institutions

Churches, schools, libraries, exposition buildings, museums, etc. See also 711.13 Public education

667 Hotels Clubs Residences

Arrangement of residences (see also 711.62 Arrangement of structures). Apartments, tenements, cottages, etc. See also 711.13 Housing, 711.48 Residential cities, 711.58 Residential districts, 711.632 Residential blocks, 711.633 Residential lots, 711.74 Residential streets, 728 Residential architecture

.668 Buildings for recreation

Opera houses, theaters, auditoriums; public baths, gymnasiums, etc. See also 711.13 Public recreation, 712.545 Playground structures

.669 Minor buildings

Shelters, pavilions (see also 711.752 Street railway shelters, 712.545 Playground shelters); public comfort stations (see also 717.66 Comfort stations in Landscape architecture); bandstands, etc.; booths, street stands; greenhouses (see also 716.3 Greenhouses in Landscape architecture); service stations; etc. See also 711.68 Accessory structures, 717.682 Park and garden shelters, bandstands, etc. in Landscape architecture

711.67 Protectiv and defensiv structures

Dams, dikes, levees, flood protection (see also 627 Hydraulic engineering). Fortifications, forts (see also 623.1 Military engineering, 711.414 Fortified towns). Boundary structures: walls, fences, gates, etc. (see also 711.559 City boundaries, 711.632 Treatment of block boundaries). See also 711.763 Waterfront protection and defenses

.68 Accessory structures

Monuments and statues (see also 717.9 Monuments and statuary in parks and gardens, 718.66 Monuments in cemeteries); fountains, basins, drinking fountains, trofs, etc. (see also 714.3 Fountains, etc. in Landscape architecture); clocks, flagpoles, street and park accessories: seats, waste cans, etc. (see also 712.514 Park furniture, 717.9 Garden furniture); lighting fixtures; city scales; advertizing and display structures; bilboard regulation and removal (see also 659.134 Advertizing); etc. See also 711.669 Minor buildings, 711.727 Street furniture

.69 Other structural elements

.7 Transportation system

See also 380 Commerce, 625 Railroad and road engineering, 626 Canal engineering, 627 River and harbor engineering, 656 Transportation, 711.13 Demografy, 711.55–.58 Relation of various types of centers to transportation facilities, 713.7 Roads in Landscape architecture

.71 Regional National International

National and state roads

.72 Urban system in general

See also 352.7 Streets in local government, 388 Local transit in Sociology

.721 General considerations

Legislation (for traffic regulation see 388). Professional considerations: data, traffic censuses, data on vehicles (e.g. motor trucks); design; construction and maintenance, cost. Influence of traffic on street form, street plan, etc.; congestion of traffic. Influence on streets of changes in means of transportation, development of motor traffic. Proportion of street area to block area (see also 711.632 Relation of blocks to streets); etc.

.722 Location and orientation

Location of main thorofares (see also 711.73 Thorofares); of minor streets (see also 711.74 Local streets). See also 711.632 Orientation of blocks

.723 Structure

Form, cros section, pavements, multiple streets, parkt streets, etc. See also 625.7 Road and street engineering, 711.751 Relation of railways, subway approaches, etc. to street, 715.148 Street planting, 715.1753 Vegetation suitable for street planting

711.724 Street junctions

Intersection of lines of traffic, avoidance of collision points; viaducts to avoid crossings at grade (see also 711.726 Bridges, 711.753 Railroad crossings)

.725 Relation to buildings

Setbacks; encroachments of buildings, balconies, projections, etc.; coverd streets, arcades, colonnaded streets, galleries; relation to height of buildings. See also 711.64 Alinements, 711.65 Buildings according to height

.726 Bridges Tunnels

Viaducts, aqueducts, culverts. See also 624 Bridge engineering, 625.13 Railroad tunnel construction, 711.724 Street junction viaducts, 711.74 Footbridges, 711.752 Street railway bridges and tunnels, 711.753 Railroad bridges and tunnels, 711.762 Rivers, 711.82 Condits; and in Landscape architecture 713.74 Bridges, 713.75 Tunnels

.727 Street furniture

Street name plates, police and fire alarm boxes, mail boxes, hydrants, etc. See also 711.68 Street accessories, 711.752 Trolley poles and wires, 715.148 Street planting

.728 Subsurface utilities in relation to street

Special subways, etc. See also 711.752 Underground railways, 711.8 Condits and wires

.729 Other topics

.73 Thorofares Highways

Traffic streets, arterial and interurban highways, communication between center and suburbs. Special forms: radial, periferal, etc. Business thorofares, traffic squares, round-points, cabstands, 1-way streets. Plesure thorofares, drives: formal, boulevards, etc.; informal, parkways, etc.; concourses, bridle and bicicle paths. See also 711.722 Location of main thorofares; and in Landscape architecture 712.524 Squares, 712.547 Fields for special sports, 713.7 Roads, drives, etc., 715.1753 Vegetation suitable for street planting

.74 Local streets and footways

Alleys; private ways; local business streets, as frontage for business buildings, etc., business squares; local residential streets, residential squares, 'places'; footways, sidewalks, promenades, malls, steps, ramps, footbridges (see also 711.726 Bridges in general), etc. See also 711.58 Residential centers, 711.667 Residences, 711.722 Location of minor streets; and in Landscape architecture 712.524 Squares, 715.1753 Vegetation suitable for street planting

711.75 Street railways Railroads

Rapid transit facilities. See also 625 Railroad engineering

.751 General questions

Legislation; professional considerations; relation to street, connections between transportation lines at different levels, subway approaches (see also 711.723 Street structure); obstruction of surface traffic by railway structures; electrification; etc. For these topics as related to street railways only see 711.752, to railroads only 711.753

.752 Street railways

Including interurban street railways. Surface (see also 711.727 Street furniture, 711.8 Condits and wires), elevated and underground railways, subways (see also 711.726 Bridges, viaducts, tunnels, etc., 711.728 Subsurface utilities in relation to street). Stations, shelters; station approaches, escalators, etc. (see also 711.669 Shelters and pavilions, 711.773 Passenger terminals). See also 388.4 Street railways in Sociology, 625.6 in Engineering; 711.552 Relation of commercial centers, 711.558 of recreation centers, and 711.583 of suburban growth to transportation facilities; 711.772 Street railway terminals, 711.773 Relation of passenger terminals to local transportation

.753 Railroads

Railway reservations: train yards, freight houses and yards, rights of way. Crossings, elimination of grade crossings (see also 711.724 Viaducts to avoid crossings at grade). Railroad bridges and tunnels (see also 624 Bridge engineering, 711.726 Bridges and tunnels). Stations; station places, squares, grounds (see also 711.663 Railroad station buildings; and in Landscape architecture 712.524 Squares, 712.78 Station grounds). See also 385 Railroads in Sociology, 625 Railroad engineering, 656 Railroad operation, 711.453 Railroad towns, 711.553 Railroad districts, 711.77 Railroad terminals

.76 Waterways Waterfronts

See also 386–387 Sociology of waterways, 627 Hydraulic engineering, 656 Transportation, 711.14 Topografy of city sites, 711.453 Port towns, 711.553 Port districts, 711.772 Waterway terminals, 714 Water features in Landscape architecture

.761 General questions

Legislation, professional considerations, etc.

.762 Rivers Canals Inland waterways

See also 711.14 Rivers in city plans, 711.421 River cities, 711.726 Bridges

.763 Bays Harbors Basins

Channels, lighthouses, harbor lines, protectiv and defensiv works, etc. See also 711.414 Naval strongholds, 711.67 Protectiv and defensiv structures

711.764 Commercial waterfronts

Capacity, frontage, fire protection, etc. Docks, slips, wharvs, etc. (see also 712.534 Recreation piers). Special provision for passengers, for freight (see also 711.773 Passenger and freight terminals). Shipyards, dry docks (see also 623.83 Ship-building docks. Industrial areas, utilization of waterfront by manufacturing plants, etc. (see also 711.554 Industrial centers). For recreational waterfronts see 712.53; see also 711.14 Topografic conditions of site, 719.346–.348 Shore reservations

.77 Terminal facilities

See also under 380 Commerce, 656 Transportation; 711.559 Boundary areas, 711.663 Buildings for transportation and storage

.771 General questions

Legislation, professional considerations, etc.

.772 Types according to mode of transportation

Street railway terminals, including interurban (may, if preferd, be clast in 711.752 Street railways); railroad terminals (see also 711.753 Railroads); waterway terminals (see also 711.76 Waterways and waterfronts); aviation terminals, landing fields (see also 629.136 Airport engineering, 711.453 Airport towns, 711.553 Airport districts, 712.54775 Recreational aviation fields)

.773 Types according to kind of traffic

Passenger, freight. See also 711.752 Street railway stations, 711.753 Railroad stations and freight yards, 711.764 Special provision for passengers and freight at waterfronts

.8 **Condits Wires**

Subsurface utilities. See also 711.728 Subsurface utilities in relation to street, 711.752 Underground railway cables, 713.8 Condits, etc. in Landscape architecture

.81 General questions

Legislation, professional considerations, relation to street maintenance, etc.

.82 Condits, pipes, etc.

For watersupply and distribution (see also 628.14 Water supply condits in Engineering); sewerage and surface drainage systems (see also 628.2 Sewerage engineering); subsurface drainage systems; gas distribution; central heating systems; penumatic tubes (see also 654.8 Communication). See also 628 Sanitary engineering, 711.726 Aqueducts

.83 Wires

Removal of overhed wires. Power, light and heat wires (see also 621.3192 Electric transmission lines, 621.332 Traction lines); telefone and telegraf wires (see also 621.38 Electric communication); radio or wireless apparatus (see also 621.384 Radio communication). See also 632.8 Plant injuries

.9 **Other topics**

712 Landscape architecture Landscape gardening

The art of fitting land for human use and enjoyment. . . . Arrangement and . . . development of land and the objects upon it in connectiòn with private grounds and gardens, institutions, public parks, playgrounds and squares, cemeteries, streets and parkways, residential communities, and problems of city and regional planning. (American Society of Landscape Architects).

Parks and gardens. See also in City planning 711.13 Public recreation, 711.52 Open spaces, 711.558 Recreation centers. For form divisions see Table 2 following Relativ index.

SUMMARY

.1 General questions
.2 Landscape design
.3 Tecnical procedure Professional practise
.4 Types of landscape design according to use Parks, grounds, gardens
.5 Public and semipublic parks, grounds and gardens
Park systems
.6 Private parks and gardens
.7 " grounds

.1 General questions

Landscape improvement movement, purposes, activities, progress, etc. See also 711.1 City planning movement. For improvement of special types of grounds see numbers for those types

.12 Organization

Agencies, resources, etc.

.13 Publicity

Education of public, educational campains. See also 712.31 Advertizing and publicity in landscape development

.14 Economics

.15 Financial considerations

.17 Legislation

Legal aspects of landscape architecture. Clas here only general or collected legislation relating to landscape architecture. See also 712.31 Legal relations of landscape architects

.2 Landscape design

See also 712.4–.7 Types of landscape design according to use, 715.14 Planting design in general

.21 General questions

Esthetics of landscape design, psicologic basis; taste, ideals, appreciation, criticism

.22 Stile

Informal, gardenesk; formal, geometric, etc.; humanized, naturalistic, classic, romantic, etc. (see also 712.23 Romantic effects in landscape design). For stiles of particular landscape units see numbers for those units. See also 719.1 Character of natural landscape

712.23 Landscape effect

Historical categories, effects discust in early literature on landscape design, e.g. melancoly, gay, 'sublime,' etc. Effects due mainly to stile or character, grand, etc.; to transitory conditions of wether, light or darkness, hour of day, etc., gloomy, etc.; to association of ideas, romantic, etc. (see also 712.22 Romantic stile)

.24 Landscape composition

Comparison with landscape painting (758.1) and photografy (770). Unity and attraction of attention, extent of composition, consideration of visual angle, etc. Emfasis, contrast, variety, climax, dominance, focalization, etc. See also 715.141 Esthetic composition in planting

.25 Forms of order in composition

Harmony, unity; repetition, monotony; sequence, rithm; balance, opposition; simplicity, etc.

.26 Characteristics of objects and circumstances modifying their appearance in composition

Shape and size, proportion, scale, texture, color, light and shade, perspectiv, seasonal effects (see also 712.6246 Gardens at special seasons), movement, etc. See also 713 Elements and materials in landscape design

.27 Landscape compositions and their compositional elements

Choice of viewpoints, etc.

.28 Pictorial compositions

Elements in their space relations, inframement, foregrounds, backgrounds, middle grounds, planes of distance, balanst compositions, axial arrangements, vistas, panoramas, etc. Objects in composition according to design value (for compositional elements in special landscape units see numbers for those units). Objects as inclosure, boundaries and entrances (see also 715.165 Boundary plantations, 717.8 Boundary structures); as surface decoration (see also 713.17 Decorativ surface treatment of roads, 716.163 Carpet bedding, 717.688 Parterres); as marking points of interest, accents (see also 715.161 Specimens, 717.9 Garden furniture); as marking points commanding views (see also 717.682 Outlooks, gazebos, etc.). See also 712.6243 Compositional elements in plesure garden design

.29 Other topics in landscape design

712.3 Tecnical procedure Professional practis

Use 712.018 for general tecnical methods

.31 General questions

Legal relations of landscape architects, legislation relating to professional practis, registration and examinations (for competitiv examinations use 712.079. See also 712.17 Legislation relating to landscape architecture). Charges; relations with special parties, clients, colleags, contractors, nurserimen, gardeners, etc.; advertizing and publicity (see also 712.13 Publicity in landscape improvement movement). For professional conduct use 712.069

.32 Organization and equipment of office

May be divided like 651 Office economy, e.g. 712.325 Office records; in general prefer 651. See also 657 Accounting, 658 Business methods

.33 Collection of data

Visits to ground, survey, forms of presentation, etc.

.34 Office procedure in design

.35 Presentation of design

Drawings, drafting, rendering, freehand and landscape drawing, painting, etc. (see also 740 Drawing, 758.1 Landscape painting, 760 Engraving, 770 Photografy) Presentation and representation of special landscape forms; models (see also 731.42 Sculptural modeling); written material, reports, specifications, estimates, lists, etc.

.36 Superintendence of construction and maintenance

Execution of design. See also 713 Landscape construction and maintenance

.4 Types of landscape design according to use Parks, grounds, gardens

Forms of landscape improvement. For landscape designs in large public problems, e.g. city planning, regional planning, etc., see 711. See also 712.2 General landscape design, 713 Landscape construction and maintenance, 717 Structures in landscape architecture

.5 Public and semipublic parks, grounds and gardens Park systems

See also 711.52 Open spaces in City planning, 719.3 Natural reservations

.51 General questions

Provision for comfort and plesure, etc.

.512 Legislation

Creating parks, etc.

.513 Administration Management

Commissions, regulations, reports, etc.; encroachments on public parks (see also 712.514 Relation to design of buildings in public parks); concessions, e.g. camping privileges (see also 712.54 Amusement and recreation grounds, 712.73 Recreation camps)

712.514 **Design**

General; for design of special type of park or garden see number for that type. Stiles (see also 712.22 Stile in general landscape design); composition; sites; relations of general design to design of various compositional elements: ground forms, plantations, structures, etc. (See also numbers for these elements under 713–717; also 711.68 Street and park accessories in City planning, 712.513 Encroachments on public parks)

.515 **Construction and maintenance**

General; for construction and maintenance of special type of park or garden see number for that type. Soil fertility, sprinkling, etc. (see also 715.15 Planting and culture). Cost and cost accounting (see also 657 Accounting)

.516 **Park systems for special types of cities**

May be divided like 711.4 e.g. 712.51651 Park systems for capitals

.518 **Special aspects**

May be divided like the whole classification, e.g. 712.51817 Ethical aspects of public parks

.52 Parks according to size

2–5 under .522–.524 may be used like 712.512–.515, e.g. 712.5224 Design of large parks

.522 **Large parks**

.523 **Small parks**

Commons, garden squares, neighborhood parks; not developt for activ recreation. See also 712.524 Squares in general

.524 **Squares**

Market places and squares (see also 711.552 Market districts); congregating places, forums, exchange places; architectural and monumental squares (see also 717.9 Monuments in gardens and parks). See also in City planning 711.52 Open spaces, 711.73 Traffic squares, 711.74 Business and residential squares, 711.753 Station places and squares; and in Landscape architecture 712.523 Garden squares, 712.78 Station grounds

.53 Water parks Recreational waterfronts

Developt for intensiv use, boating, bathing, etc. Combination with commercial utilization; misuse, defacement of shores. Seashore, lake, river, island, etc. parks. See also in City planning 711.14 Relation of waterfronts to city sites, 711.764 Commercial waterfronts; in Landscape architecture 714 Water features, 717.687 Boating and bathing structures, 719.34 Shore, river, etc. reservations

.532–.535 may be used like 712.512–.515

E.g. 712.533 Administration of water parks

712.54 Amusement and recreation grounds

See also 712.513 Camping privileges in public parks. For similar areas in natural reservations see under 719.3

.541 **General questions**

Under .542–.545 below 2–5 may be used like 712.512–.515, e.g. 712.5455 Playground construction and maintenance

.542 **Amusement parks**

See also 791 Amusement parks as public entertainment

.543 **Open air concert gardens Tea gardens Outdoor restaurants and refreshment places**

Beer 'gardens', etc.

.545 **Playgrounds Athletic fields**

Distribution of playgrounds, etc. Legislation; administration, regulations, from landscape architecture side only (for playground management in general see 796). Design: ground surface and surfacing; plants, playground planting; structures (see also 717.687 Structures for outdoor sports), gymnasiums, fieldhouses, shelter buildings, etc. (see also in City planning 711.668 Recreation buildings, 711.669 Shelters and pavilions); playground furniture, lighting, seats, apparatus; fences, screens, etc. (see also 717.85 Back stops); roads, paths, bridges, etc.; construction, maintenance, cost, etc. See also 717.686 Stadiums and amfitheaters, 796 Athletic and outdoor sports and games, theory of play, etc.

.546 **Types according to use**

Recreation centers, neighborhood and social centers, combining provision for all ages (see also 374.28 Community centers in adult education); school playgrounds (see also 371.61 School premises, 712.58 School grounds, 712.75 College and university grounds), roof playgrounds, block interior playgrounds (see also 711.632 Block interiors in City planning), athletic fields, etc. (see also 796 Athletic fields in general). May be arranged alfabetically by name of type

712.547 **Fields for special sports Grounds for sports and games**

May be subdivided like 790, e.g. 712.547633 Football fields. See also in City planning 711.73 Parkways, 711.772 Commercial aviation fields; and in Landscape architecture 712.71 Country club grounds, 714.33 Swimming and wading pools in general landscape design, 717.686–.687 Amfitheaters and stadiums, structures for outdoor sports, 717.35 Back stops

.548 **Special aspects**

Phisiologic, social, etc. May be divided like the whole classification, e.g. 712.54833 Economic aspects

.55 Exposition and fair grounds

Grounds for state and county fairs, etc. See also 711.57 Exposition groups in City planning

.56 Public gardens Zoologic and botanic parks

'Museum gardens', arboretums. See also 712.626 Exhibition or specimen gardens, 717.66 Dovecotes, birdhouses, etc. in general landscape design

.57 Dril grounds, etc.

.58 Grounds of public buildings and building groups

Capitol, court house, city hall grounds; library and museum grounds; school grounds (primary, elementary, secondary schools); educational institution grounds in general (see also 712.546 School playgrounds, 712.627 School gardens, 712.75 College and university grounds). See also in City planning 711.55–.58 Functional centers, 711.66 Structures according to use; and in Landscape architecture 712.7 Private grounds

.59 Other

.6 Private parks and gardens

Yard improvement, garden contests in general; but when applied to special type of garden may be clast with that type

.61 General questions

.62 Plesure gardens

Garden books including estates clas in 712.64 Private estates. See also 712.64147 Plesure gardens in private estates

.624 **Design**

See also 712.6414 Private estate design

1 General questions

2 Stiles of gardens

See also 712.22 Stile in general landscape design

712.6243 Composition of garden

Compositional elements. Boundaries, entrances; surface décoration, beds, turf areas, paths, etc. (see also 713.73 Paths in general landscape design); objects marking points of interest, etc. See also 712.28 Objects in landscape composition

4 Gardens in relation to environment Sites

Climate and atmosfere, tropic gardens, etc.

5 Topografy

Waterside gardens, seashore gardens (see also 712.626 Water and bog gardens; 715.144 Planting in general in relation to water, seashore planting, sea beach vegetation; 715.154 Bog and aquatic vegetation; 715.158 Exposure to salt spray); gardens on flat, uneven or rocky topografy; hilside, terrast and hiltop gardens

6 Gardens at special seasons or hours

Seasonal effects; day and night effects, including lighting of gardens. See also 712.26 Seasonal effects in landscape composition, 715.141 Seasonal effects in plantations, 715.1735 Seasonal appearance of vegetation

7 In relation to structures

Dooryard, backyard, courtyard gardens, roof and penthouse gardens, vacant lot gardens. See also in City planning 711.632 Block interiors, 711.633 Lot interiors; and in Landscape architecture 712.642 Lot planting, 715.147 Planting in relation to structures

8 Gardens of special sizes and shapes

Small gardens, sunken gardens, etc.

9 Other topics

.625 **Construction and maintenance**

Cost, etc. See also 715.15 Planting and culture

.626 **Gardens of special plant materials**

Gardens devoted wholly or mainly to single kind of plant. (For such plants in mixt gardens see numbers for those kinds under 715–716 Vegetation). Oldfashiond, colonial, Shaksperean, exhibition, specimen, etc. gardens (see also 712.56 Botanic gardens). Gardens of trees, topiary gardens, wildernesses (historical term for garden areas devoted to wild growth); of shrubs, rose gardens, etc.; of herbaceous plants: gardens devoted to annuals, biennials, perennials; bulbs; nativ plants (' wild gardening '); rock and alpin plants (rock and wall gardens; see also 717.84 Walls); water plants (water gardens), bog and marsh plants (bog gardens; see also 712.6245 Waterside gardens, 715.144 Planting in general in relation to water features); etc. Special color groups, color effects in gardens

712.627 **Gardens for special classes of people**

Architects', children's, school, etc. gardens; see also 372.36 School gardening, 712.58 School grounds

.628 **Special aspects**

May be divided like the whole classification, e.g. 712.6288 Plesure gardens in literature

.63 Service gardens

Material on decorativ vegetable gardens may be clast here. 712.634–.635 may be used like 712.514–.515 and .624–.625; e.g. 712.6347 Vacant lot service gardens. See also 635 Vegetable and kitchen gardens, 635.9 Flower gardens, 716.2 Flowers in landscape architecture

.64 Private estates

Clas here garden books which include estates. See also 711.582 Country seats in City planning, 712.62 Plesure gardens

.641 **General questions**

4 Design

41–45 divided like 712.6241–5

E.g. 712.64145 Seashore estate design

46 Natural character units

Lawns, woods, etc. See also 716.164 Lawns as design units, 719 Natural landscapes

47 Structures in private estates

House and house terrace, service and plesure buildings and areas, including plesure gardens as part of estates (see also 712.62 Plesure gardens in general). See also 717 Structures in landscape

48 Access and entrances Circulation

See also 713.7 Roads, paths, etc. in general landscape design

49 Other topics

5 Construction and maintenance Cost

For estate management see 631.1

Each of following 712.642–646 may be subdivided like 712.641, e.g. 712.6424 Lot design

.642 **House lots (up to 1 acre)**

Lot planting. Including collectiv designing; grounds of apartments and row houses. See also 711.633 House lots in City planning, 712.6247 Gardens in relation to structures, 712.646 Estates designd collectivly

.643 **Suburban estates**

Small estates (1–10 acres); summer colonies. See also 711.583 Suburban places in City planning, 712.646 Estates designed collectivly

712.644 **Country estates**

Large estates (over 10 acres), royal and imperial estates; castle grounds; private estate reservs, private parks, game preservs, deer parks. See also 639.1 Commercial game preservs, 719.32 Private natural reservs, 719.36 Reservs for preservation of animal and plant life

.645 **Farms**

In general libraries prefer 631 Farms in Agriculture

.646 **Estates designd collectivly**

See also in City planning 711.58 Residential districts, 711.63 Land subdivision; and in Landscape architecture 712.642 House lots designd collectivly, 712.643 Suburban estates

.647 **Estates for special classes of people**

See also 711.583 Districts in City planning distinguisht by predominant cost of residences

.7 Private grounds

Grounds of private buildings and building groups. For general questions see 712.61 and .641. See also in City planning 711.55–.58 Building groups, 711.66 Individual buildings; and in Landscape architecture 712.58 Grounds of public buildings

.71 Country club grounds Golf clubs

See also 712.547 Grounds for sports and games

.72 Hotel grounds

Country, seashore, etc.; summer hotels

.73 Recreation camps

See also 712.513 Camping privileges in public parks

.74 Hospital, asilum, sanitarium, etc. grounds

.75 College and university grounds

See also 712.546 School playgrounds, 712.58 School grounds in general, public school grounds

.76 Church grounds

Grounds of religious institutions, cathedrals, monasteries, etc. See also 718 Cemeteries

.77 Factory grounds

.78 Railroad "

Including station grounds and rights of way. See also 711.753 Railroad stations in City planning, 712.524 Squares as parks

79 Other

713 **Landscape construction and maintenance**

Structure, arrangement, plan, elements and materials, walks and drives, etc. For general superintendence of construction and maintenance see 712.36. For construction and maintenance of special types and elements of landscape design see numbers for those types and elements under 712.4–.7 Types of landscape design; 714 Water features, 715–716 Vegetation, 717 Structural elements See also 712.26 Characteristics of objects and circumstances modifying their appearance in landscape composition

.1 General questions

Presentation of construction plan, cost of construction and maintenance

.2 Construction

Earthwork, grading, etc. See also 713.8 Pipes, condits, wires

.3 Maintenance

See note under 713 above

.4 Atmosfere, sky, clouds, etc.

.5 Ground forms

Geologic origin (see also 551 Geology); design, maintenance, etc. Plains, valleys, hils and mountains, rocks, ledges, caves, etc.; naturalistic banks and slopes (see also 717.7 Embankments, etc.). For water features see 714; for ground forms as motivating planting see 715.143, structures 717.61. See also 712.514 Place of ground forms in general in public park design, 719.22 Types of natural landscape according to topografy, 719.3 Scenic reservs

.6 People and animals as landscape elements

Crowds as elements in design, as at Versailles; sheep, waterfowl, etc. in landscape

.7 Roads, paths, etc. Ways

See also 625.7 Road construction, 711.7 Transportation system in City planning, 712.514 Roads, bridges, etc. in public park design, 712.64148 Access and entrances in private estates, 717 Structural elements

.71 General questions

Design, considerations of topografy, traffic, form, cros section, etc. (see also 715.148 Roadside planting). Construction and maintenance, pavements; materials, decorativ surface treatment (see also 712.28 Objects as surface decoration in general landscape composition), curbs, gutters, road signs, etc. See also 625.8 Pavement construction. In general libraries prefer 625.7–.8 for road and pavement construction

713.72 Roads Drives Avenues

Entrance and approach roads and turns, forecourts; service roads (see also 717.66 Service yards); causeways (sec also 717.7 Terraces and embankments); 'wood-roads', lanes, bridle and bicicle paths, trails, etc. See also 712.514 Roads, etc. in public and semipublic parks, 712.534 Drives in waterparks, 712.64148 Access and entrances in private estates, 715.1753 Selection of vegetation with regard to width of streets, etc.

.73 Paths Footpaths Walks Promenades

See also 712.6243 Paths as surface decoration in plesure gardens; see also references under 713.72. For steps sec 717.88

.74 Bridges Viaducts Monumental aqueducts

See also 624 Bridge engineering, 711.726 Bridges in City planning, 714.36 Garden aqueducts. May be divided like 624, e.g. 713.746 Archt bridges

.75 Tunnels

See also 625.13 Railway tunnel construction, 711.726 Tunnels in City planning

.8 Pipes Condits Wires

May be divided like 711.8 Pipes, etc. in City planning, which see also, e.g. 713.83 Disposal of wires. See also 713.2 Earthwork, grading, etc. in general landscape construction, 717 Structural elements

.9 Other landscape elements

For water features see 714, vegetation 715–716, structural elements 717

714 Water features

See also 711.76 Waterways, waterfronts in City planning, 712.514 Place of water features in general in public park design, 712.53 Water parks, 713 Landscape construction and maintenance, 715.144 Plantations in relation to water features, 719.34 Scenic reservations

.2 Waterbodies and their shores

See also 711.76 Commercial waterways and waterfronts, 712.53 Water parks, 719.346–.348 Shore reservs

.21 General questions

Water in landscape, compositional value, reflections, etc.; shore protection. See also 717.74 Structural shore treatment, 717.84 Sea walls

.22 Sea and seashore

See also 712.53 Seashore parks, 719.346 Seashore reservs

714.23 Lakes, ponds and their shores
See also 712.53 Lake and pond parks, 714.33 Artificial pools and basins, 719.348 Lake and pond reservs

.24 Streams Stream banks
Rivers, naturalistic canals (see also 714.4 Canals in general), brooks, waterfalls, cascades (see also 714.35 Artificial cascades). See also 712.53 River parks, 719.348 River reservs

.25 Islands
See also 712.53 Island parks, 719.342 Island reservs

.26 Types of shores
Shore outlines, bays, promontories, etc.; beaches: sand (see also 712.534 Bathing beaches in recreational waterfronts), shingle, etc.; rock and clif shores; marshy, sedgy shores, etc.

.27 Marshes Swamps
See also 719.232 Marsh and swamp landscapes

.3 Architectural and sculptural water features
'Ornamental water'. See also 711.68 Fountains, basins, etc. in City planning, 717 General structural elements

.31 General questions

.32 Fountains Water jets
Illuminated fountains, drinking fountains, watering trofs, etc.

.33 Pools Basins
Created or artificially modified. Fish ponds, swimming and wading pools. See also 712.54772 Swimming and wading areas in playgrounds, 714.23 Natural ponds

.34 Water ramps
See also 717.88 Ramps in general

.35 Artificial cascades
See also 714.24 Natural waterfalls

.36 Garden aqueducts
For monumental aqueducts sec 713.74. See also 714.4 Canals

.37 Welheds

.38 Bird baths

.39 Other

.4 Canals, moats, etc.
See also 626 Canal engineering, 714.24 Naturalistic canals, 714.36 Garden aqueducts

.5 Dams Spilways Locks
See also 626.4 Canal engineering, 627.8 River engineering

715 Vegetation Trees, shrubs, hedges

For herbaceous plants see 716 See also 580 Botany, 635.9 Floriculture, 712.514 Park planting, 712.626 Gardens of special plant materials, 713 Landscape construction and maintenance

SUMMARY

715.1 General questions
.12 Legislation
.14 Design Plantations
.15 Planting and culture
.16 Types of plantations
.17 Description Plants as landscape material
.18 Special aspects
.2 Trees
.3 Shrubs Arborescent plants
.4 Climbing or trailing shrubs Woody vines

.1 General questions

.12 Legislation

.14 Design Planting design Plantations

See also 712.2 General landscape design

.141 **General questions**

Theory of planting design. Stile and character in planting design; esthetic composition, including seasonal effects in plantations (see also 712.24 Landscape composition, 712.6246 Gardens at special seasons); presentation of planting plan; economic considerations (see also 715.175 Vegetation according to purpose and use)

.142 **Plantations in relation to other elements in landscape design**

.143 To ground forms

Planting in relation to topografy. See also 713.5 Ground forms in general landscape design

.144 To water features

Shore, waterside and water planting. See also 712.6245 Waterside gardens, 712.626 Water gardens, 714 Water features in general

.145 To other plantations Introduced plantations

Gregarious or solitary character

.147 To structural elements To buildings, etc.

Vegetation as building decoration. See also 712.6247 Gardens in relation to structures, 715.17362 Vines, 715.1752 Tub vegetation, 716.4 Window and balcony gardens, 717 Structural elements in general

.148 To roads and paths

Roadside and street planting, roadside improvement. See also in City planning 711.723 Parkt streets, 711.727 Street furniture; in Landscape architecture 713.71 Road design, 715.1753 Vegetation suitable for street planting

715.15 Planting and culture

See also 635 Horticulture, which in general should be preferd. See also 712.515 Soil fertility, sprinkling, etc. in public park maintenance, 712.625 Garden maintenance

.151 **Economics and operation**

May be divided like 631, except for topics specially provided for below, e.g. 715.1513 Machinery and tools

.152 **Plant diseases Injuries and pests Hindrances**

May be divided like 632, e.g. 715.1527 Injurious insects

.153 **Plantations in relation to environment Phisical conditions**

Including discussions of suitable vegetation

.154 Soil

Composition; phisical, chemic and bacteriologic properties; intensiv cultivation; depth, fertility; moisture content: dry sunny fields, dry or moist woods; irrigated, swampy, aquatic (see also 712.6245 Waterside gardens), draind, etc. lands

.155 Climate

Arctic, temperate, tropic; winds, storms; temperature and temperature changes; rainfall, etc. See also 715.158 Exposure to special conditions

.156 Light Sun Shade

See also next topic

.158 Exposure to special conditions

Salt spray, dust, smoke, gases. See also 712.6245 Seashore gardens, 715.155 Climate, 715.156 Light

.16 Types of plantations

Including discussions of vegetation suitable for each type. Mixt plantations of trees, shrubs and herbaceous plants, with no one of these in great predominance. See also Types of plantations under Trees 715.26, Shrubs 715.36, Woody vines 715.46, Herbaceous plants 716.16, Flowers 716.26

.161 **Plantations of specimens**

Include here material on specimens, even when not related to Plantations. See also 712.28 Objects as marking points of interest in landscape composition, 712.626 Specimen gardens, 715.175 Vegetation according to use

.162 **Topiary work**

See also 712.626 Topiary gardens, 715.1732 Modified appearance of plants

715.163 **Groups Clumps**

.165 **Border, boundary, inclosing plantations Windbreaks**

Screen plantations; hedges, hedgerows, etc. (see also 635.976 Hedge culture); edgings. See also 635.963 Culture of border or edging plants, 712.28 Objects as inclosure in landscape composition

.17 Description Plants as materials of landscape and landscape design

.171 **General questions**

.172 **Species**

May be divided like 582–589 Systematic botany, e.g. 715.17233 Rosal species

.173 **Clast by characteristics**

See also 715.174 Constituent parts

1 General questions

2 Appearance

Natural, modified (see also 715.162 Topiary work); form, silhouet, branching habits, pyramidal, spheric, etc.; arrangement; size, mas, growth; texture; color and color effects

3 Odor Scent Fragrance

See also 716.1756 Sweet herbs

4 Ediblity

For edibility of fruits see 715.1745

5 Habits Time of appearance

See also 712.6246 Gardens at special seasons

6 Special groups

For gardens composed of special groups of plants see 712.626

62 Cultivated for their foliage

Vines, climbers, creepers in general; for shrubby vines see 715.4, herbaceous vines 716.17362 (see also 715.147 Planting in relation to structures)

65 Oldfashiond vegetation

See also 712.626 Oldfashiond gardens

66 Association groups

Vegetation associated with persons, occasions, etc. See also 712.626 Gardens of Shaksperean plants

67 Nativ and naturalized vegetation

Rock and alpin vegetation, wall plants. See also 712.626 Wild gardens, 716.17367 Naturalized herbaceous plants, 719.23 Types of natural landscape according to dominant vegetation

68 Plant curiosities 'Freak' vegetation Exotics

715.174 **Constituent parts**

See also 715.173 General characteristics

1 General questions

2 Foliage Leavs

Including discussions of characteristic qualities. Persistence, deciduous, evergreen; form and arrangement; size; texture, shiny, dul, smooth, rouf, etc.; color; odor; edibility; habits

3 Bark

4 Flower

See also 715.1757 Bird and bee attracting vegetation

5 Fruit

See also 634 Fruit culture, 715.1757 Bird and bee attracting vegetation

.175 **Purpose Use**

For specimens see 715.161 Plantations of specimens. See also 715.141 Economic considerations in planting design

2 Tub and house vegetation

Pot plants for ornamental outdoor use. See also 715.147 Building decoration, 716.36 Greenhouse plants, 716.46 Window box plants, 716.56 Ferns, mosses and lichens

3 Vegetation suitable for street planting and shade

Planting strips; selection of trees, shrubs, etc. with regard to width of streets, etc. For special types of vegetation (trees, shrubs, vines, herbaceous plants, flowers) see appropriate numbers under those types. See also in City planning 711.723 Parkt streets, 711.73 Business traffic streets, boulevards and parkways, 711.74 Local business and residential streets; in Landscape architecture 713.72 Roads, etc. in parks and gardens, 715.148 Plantations in relation to streets, 716.166 Turf panels and strips

4 Ground cover Soil binders

See also 715.2754 Trees suitable for forest planting; 715.3754 Shrubs and 716.1754 Herbaceous plants as ground cover

7 Bird and bee attracting vegetation

See also 715.1744 Flower, 715.1745 Fruit

.18 Special aspects

May be divided like the whole classification, e.g. 715.1837 Educational aspects of vegetation in landscape design

715.2 Trees

Divided like 715.1, e.g. 715.244 Trees in relation to water features; note special additions below. See also 634.9 Forestry, 635.977 Commercial raising of ornamental trees, 712.626 Tree gardens

.24 Design Arrangement of trees Tree plantations

.241 **General questions**

Thinning, effect of grazing line, effects from use of large trees moved in, etc.

.26 Types of tree plantations

.266 **Allées Tree alleys and avenues**

Clipt, pleacht, etc.

.267 **Fruit trees**

Orchards, espalier trees, traind fruit trees. See also 634 Fruit tree culture, 712.626 Orchard and fruit gardens

.268 **Woodlands Groves Wood interiors Thickets**

For natural woodlands see 719.233. See also 712.626 Garden wildernesses, 719.332 Forest reservs

.27 Description

.275 **Purpose Uses**

For specimen trees see 715.261

4 Trees suitable for forest planting

See also 715.1754 Ground cover in general, 719.332 Construction and maintenance of forest reservs

.3 Shrubs Arborescent plants

Divided like 715.1 & .2, e.g. 715.363 Shrub groups, clumps, beds. See also 635.976 Commercial raising of shrubs, 712.626 Shrub gardens

.4 Climbing or trailing shrubs Woody vines

Divided like 715.1 & .2, e.g. 715.4757 Bird attracting climbing shrubs

716 Herbaceous plants

See also 635.9 Horticulture, 712.514 Park planting, 712.626 Gardens of herbaceous plants, 713 Landscape construction and maintenance

.1 General questions

Divided like 715.1, e.g. 716.154 Herbaceous plants suitable for swampy areas; note special additions below

.16 **Types of herbaceous plantations**

For wild gardens see 712.626. See also 716.2 Herbaceous flowering plants, 716.5 Ferns and mosses

716.163 Herbaceous groups and beds

Bedding plants, carpet beds and bedding. See also 635.962 Cultivation of bedding plants, 712.28 Objects as surface decoration in landscape composition, · 715.1736 Special groups clast by characteristics, 716.263 Floral groups, 717.688 Parterres

.164 Lawns

As design units, areas covered with turf. See also 712.64146 Lawns in private estates, 716.17362 Grasses

.166 Turf panels and strips

See also 715.1753 Street planting

.17 Description

.173 Clast by characteristics

6 Special groups

Clas here material too general to be clast in 716.2 Flowering plants or 716.5 Ferns, etc. See also 712.626 Gardens of herbaceous plants, 716.163 Bedding plants, 716.175 Herbaceous plants according to uses, 716.2758 Cut flower plants, 716.3 Greenhouse plants, 716.4 Window box plants, 716.5 Ferns. mosses, lichens

62 Cultivated for their foliage

Foliage plants (see also 716.56 Ferns, mosses and lichens); grasses (see also 716.164 Lawns)

64 According to life duration and means of propagation

Annuals, biennials, perennials; seed plants; bulbs, tubers, etc.; runners, layers; cuttings, slips, etc.

.175 Purpose Uses

For specimens see 716.161. For decorativ use of vegetables see 712.63 Service gardens. See also 716.1736 Special groups clast by characteristics

6 Sweet or scented herbs

See also 715.1733 Scent in plants

8 Cut flowers and foliage

See also 716.2758 Cut flowers, 716.5 Ferns, mosses, etc.

.2 Flowering plants

Divided like 716.1 e.g. 716.2754 Flowering plants as soil binders. For flowering trees, e.g. magnolia, see 715.272; flowering shrubs, e.g .rose, see 715.372; flowering woody vines, e.g. wisteria, see 715.472. See also 635.9 Floriculture, 712.63 Service gardens

716.3 Conservatories Greenhouses Hothouses

See also 635.982 Greenhouses in Floriculture, 711.669 Greenhouses in City planning, 717.66 Potting sheds, 728.98 Architecture of greenhouses

.31 **General questions**

.34 **Design**

.35 **Construction and maintenance**

.36 **Greenhouse or hothouse plants**

See also 715.1752 Tub and house vegetation, 716.1752 Herbaceous tub and house plants, 716.56 Ferns and mosses

.4 Window gardens and boxes Plant windows Balcony gardens

Divided like 716.3; e.g. 716.46 Window garden and window box plants. See also 715.147 Building decoration, 715.1752 Tub and house vegetation, 717.66 Potting sheds, 717.9 Ornamental plant pots and boxes

.5 Ferneries

Divided like 716.3; e.g. 716.56 Ferns, lycopodiums, mosses, lichens, fungi. See also 635.9753 Culture of ferns and mosses, 715.1752 Tub and house vegetation, 716.17362 Foliage plants in general, 716.36 Greenhouse plants

717 **Structural elements**

Structures in landscape. See also 711.6 Structures in City planning; 712.4–.7 Structures in types of landscape according to use, e.g. 712.514 Structures in public park design, 712.64147 in private estate design; 713.7 Roads, paths, bridges, tunnels, etc.; 713.8 Pipes, condits, wires, 714.3–.5 Structural water features, 715.147 Plantations in relation to structures, 720 Architecture

SUMMARY

717.1 **General questions**
.2 **Materials**
.4 **Design**
.5 **Construction and maintenance**
.6 **Buildings**
.7 **Terraces Embankments**
.8 **Boundary and approach structures**
.9 **'Garden furniture' Ornamental accessories**

.1 General questions

.2 Materials

May be divided like 691, using 717.29 for turf and composit construction

.4 Design

See also 729 Architectural design

717.5 Construction and maintenance

See also 690 Building, 721 Architectural construction

.6 Buildings

See also 725.76 Park building architecture

.61 General questions

Buildings in landscape compositions, considerations of site, adaptation to topografy. See also 713.5 Ground forms in general design

.62 Building groups

See also 711.55–.58 Building groups in City planning, 712.64147 in private estates. In general, except as noted below, special buildings should be clast in connection with their grounds under 712.4–.7 Types of landscape design according to use

.63 **Residences Houses House location**

See also 712.64147 House and house terrace in private estates

.64 **Service buildings and other service structures**

See also 712.64147 Service buildings in private estates

.65 Farm buildings

Stables and stable yards, barns and barnyards, sheepfolds, piggeries, henhouses, icehouses, etc. See also 631.2 Farm buildings in Agriculture, which in general prefer

.66 Other service buildings

Dovecotes, birdhouses, etc. (see also 712.56 Aviaries in zoologic parks); apiaries, beehives (see also 638.1 Bee keeping); windmils, watertowers, etc.; gate lodges; garages, garage yards; service yards (see also 713.72 Service roads and turns), laundry, gardeners' and compost yards; gardeners' service buildings: potting sheds (see also 716.3 Greenhouses, 716.4 Plant windows), hotbeds, cold frames (see also 635.98 Floriculture under glas), toolhouses; comfort stations (see also 711.669 Public comfort stations in City planning); etc.

.67 Accessory service structures

Hitching posts, mounting blocks; tree guards, gratings and railings; lawn guards, etc. For drinking fountains and watering trofs see 714.32

717.68 **Plesure buildings and other plesure structures**

See also 712.74147 Plesure buildings in private estates

.681 General questions

.682 Outlooks Shelters Arbors

Outlook towers, gazebos, pagodas, etc. (see also 712.28 Objects as marking points commanding views in landscape composition). Pavilions, resting places, shelters, 'ruins' in romantic landscape designs, etc.; playhouses; bandstands. Pergolas, arbors, etc. See also 711.669 Shelters, pavilions, bandstands, etc. in City planning

.683 Freestanding decorativ colonnades

.684 Orangeries Stanzoni

.685 Grottoes Mazes Labirinths

.686 Structures for outdoor entertainments

Garden theaters; amfitheaters, music courts, outdoor theaters, stadiums, settings for pageants. See also 712.545–.547 Playgrounds and athletic fields

.687 Structures for outdoor sports

Tennis courts, croquet lawns, bowling greens, archery lawns, boating and bathing structures (see also 712.534 Structures in water park design), etc. See also 712.545 Structures in playground design, 712.547 Playgrounds for special sports, 717.85 Back stops

.688 Parterres

See also 712.28 Objects as surface decoration in landscape composition, 716.163 Carpet beds

.689 Other plesure structures

.69 **Other buildings**

.7 Terraces Embankments Structural shore treatment

See also 713.5 Naturalistic banks and slopes, 713.72 Causeways, 717.84 Retaining walls

.71 General questions

.72 Terraces, etc.

House terraces (see also 712.64147 House and house terrace in private estates); sunk panels; mounts, as in Tudor gardens

.73 Embankments

For shore embankments see 717.74

.74 Structural shore treatment Shore embankments

Piling, bulkheads, groins, riprap, etc. See also 627.4 Dike and levee construction, 714.21 Shore protection, 717.84 Sea walls

717.8 Boundary and approach structures

See also 712.28 Objects as inclosure in landscape composition

.81 General questions

.82 Materials

Divided like 717.2, e.g. 717.822 Stone for boundary structures

.83 Details

Parapets, balustrades, railings, grils, lattices, treillage, trellises, copings, posts and post finials, niches, garlands between posts, etc.

.84 Walls

Retaining walls (see also 717.7 Terraces, embankments, etc.), sea walls (see also 714.21 Shore protection, 717.74 Shore embankments), foundation walls, etc. See also 712.626 Wall gardens

.85 Fences

Sunk fences, ha-has; backstops for tennis courts, etc. See also 712.545 Playground fences, etc., 712.547 Playgrounds for special sports, 717.687 Structures for outdoor sports

.86 Gates Gateways

Lich gates, garden arches, etc.

.87 Stiles

Turnstiles, step stiles

.88 Steps, ramps, perrons, slope steps, etc.

See also 713.73 Paths, walks, etc., 714.34 Water ramps, 729.39 Architecture of steps, ramps, etc.

.89 Other

.9 'Garden furniture' Ornamental accessories

Details of design, pedestals, etc. Monuments and statuary in gardens and parks, war memorials, statuary gardens (for monuments in cemeteries see 718.66; see also 711.68 Monuments and statues in City planning, 712.524 Monumental squares); urns, vases, etc.; ornamental plant pots and boxes, garden pottery (see also 716.4 Window gardens); lanterns, Japanese lanterns, etc.; gazing globes, sundials, outdoor ovens and fireplaces, outdoor seats, tables, exedrae, etc. For ornamental water structures see 714.3. See also 711.68 Street and park accessories in City planning, 712.28 Objects marking points of interest in landscape composition, 712.514 Park furniture

718 Cemeteries Monuments Mausoleums

See also Treatment and disposal of the ded 393 Customs, 614.6 Public helth; 712.76 Church grounds, 726.8 Mortuary architecture, 730 Statuary

.1 **General questions**

.2 **Legislation**

.3 **Administration Regulations**

.4 **Design Stiles**

Informal, park cemeterics; formal, architectural cemeteries

.5 **Construction and maintenance**

Cost; subdivision, cemetery lots

.6 **Elements**

.61 General questions

.62 Ground forms, including water

.63 Roads, paths, entrances, etc.

.64 Bridges

.65 Plants Cemetery planting

.66 Monuments Hedstones, markers

See also 711.68 Monuments in City planning, 717.9 Monuments in parks and gardens, 731.76 Sculpture of monuments

.67 Buildings

Chapels, columbariums, mausoleums

.68 Cemetery furniture

Lighting, seats, etc.

.69 Other

.8 **Special types of cemeteries**

According to religion, topografy, climate, racc, nationality; fraternal, etc.

719 Natural landscapes Scenery

See also 712.64146 Natural character units in private estates

.1 **General questions**

Landscape character, beauty of naturc. See also 712.22 Stile in landscape design

.2 **Types of landscape, natural scenery, 'free landscape'**

.22 According to dominant ground forms and topografy

May be divided like 551.4 Geology of topografic forms, e.g. 719.222 Islands. See also 713.5 Special ground forms in landscape design

719.23 According to dominant vegetation

See also 715.17367 Nativ vegetation in landscape design

.232 Marsh and swamp lands

See also 714.27 Marshes and swamps in landscape design

.233 Woodlands Forests

See also 634.9 Forestry, 715.268 Woodlands in landscape design, 719.332 Forest reservs

.234 Graslands Prairies Pampas

.235 Deserts

.25 According to climate

.26 " " effects of human occupation and activities

.262 Pastoral landscapes Pastures

.263 Medow landscapes Medows

.3 Reservations

Reservd land not developt for intensiv recreativ use. For general description of special reservations, national parks, etc. see 913–919. See also 711.52 Open spaces in City planning, 712.5 Public park systems, 713.5 Special ground forms in landscape design

.31 General questions

Legislation, administration, regulations

.32 Types according to ownership

International; national (national parks and 'monuments'; see also 719.332 National forests); state, etc.; private, club, etc. (see also 712.644 Country estates). See also 333.78 Ownership of recreational lands

.33 Forest and water supply reservations

See also 719.352 Reservations containing special natural features

.331 General questions

.332 Forest reservs

See also 333.75 Ownership of forest lands, 634.9 Forestry, 711.32 Forested districts in regional planning, 715.268 Woodlands in parks and gardens, 715.2754 Trees suitable for forests, 719.233 Natural woodlands in general, 719.32 National parks

719.333 Water supply reservs

See also 628.1 Water supply engineering, 711.551 Water supply areas in City planning

.334 **Watershed reservs**

See also 634.925142 Watershed protection in forestry

.335 **Reservoir reservs**

See also 719.348 Lake and pond reservations

.34 Scenic reservations Preservation of landscape

Not developt for intensiv recreation but preservd primarily as naturalistic landscape. Divided like 551.4; e.g. 719.342 Island reservs (see also 712.53 Island parks, 714.25 Islands in landscape design); 719.343 Hil and mountain reservs; 719.346 Shore and seashore reservations (see also 711.14 Shores in City planning, 712.53 Water parks, recreational waterfronts — for commercial waterfronts see 711.764 —, 714.2 Waterbodies and their shores in landscape design); 719.348 Lake and pond, river and waterfall reservs (see also 719.335 Reservoir reservs). See also 713.5 Special ground forms, 714 Water features in landscape design, 719.352 Reservations containing special natural features

.35 Reservations containing special natural and historical features

For ' national monuments ' as used in U.S. see 719.32

.352 Natural features Natural monuments

See also 719.33 Forest and water supply reservs, 719.34 Scenic reservations

.353 Historical features

See also in City planning 711.12 Preservation of historical features, 711.424 Cities according to historical character, 711.52 Archeologic centers

.36 Reservs for preservation of animal, bird and plant life

See also 639.1 Game preservs (which in general prefer), 712.644 Private estate reservs

.37 Reservations for defense Military and naval reservations

See also 623 Military and naval engineering, 711.414 Military and naval towns

720 Architecture

See also 711.65 Structures in City planning according to height, form and material, 717 Structures in Landscape architecture, 745–749 Industrial decoration and design. For form divisions see Table 2 after Relativ index

721 Architectural construction (elementary forms)

For design of these forms see 729.3. See also 690 Building, 711.65 Materials and types of construction in City planning, 717.5 Construction and maintenance of structural elements in Landscape architecture; also construction of special types of buildings under special subjects, e.g. 022.35 Construction of library buildings in Library economy, 069.23 of museum buildings in Museum economy

SUMMARY

721.1	**Foundations**	.6	**Floors Flooring**
.2	**Walls**	.7	**Ceilings**
.3	**Columnar constructions**	.8	**Openings and their fittings**
.4	**Archt "**		
.5	**Roofs**	.9	**Iron and composit structures**

.1 Foundations

See also Bridge engineering, 624.15 Foundations

.11 General questions

Foundation bed, trial borings; nature of soil: rock, sand, gravel, peat, quicksand; load on foundation

.12 Excavation Timbering Shoring

.13 Materials for building foundations

Wood, stone, concrete, brick, etc.

.131 General questions

.132–.139 divided like 620.12–.19

E.g. 721.1335 Cement

.14 Pile foundations

General questions, materials

.141 Sand piles

.142–.149 divided like 620.12–.19

E.g. 721.147 Iron piles

.15 Methods of sinking piling

See also 721.171 Cofferdams

.151 **Piledriver**

.152 **Screw pile Boring ancor**

.153 **Hollow pile Disk pile**

.154 Hydraulic pile

.155 Pneumatic "

.156 False pile Follower pile

721.16 Platform and other special foundations
.162 Timber platforms or gratings
Plank foundations, grillages
.163 Concrete platforms
.164 Iron and concrete platforms
Reinforst concrete platforms
.165 Masonry platforms
.166 Concrete legs or stilts
.167 Cantilever foundations
.17 Subaqueous foundations
.171 Cofferdams
Close, pug, sheet or sheath piles; gage or gaged and filler or filling piles. See also 721.15 Methods of sinking piling
.172 Open crib or caisson Cylinder foundations
.173 **Pneumatic caisson**
.174 Freezing
.175 Pneumatic forcing
.176 Sunken wels
Dredging thru wels
.177 Sunken tubes
.2 **Walls**
See also 729.31 Wall design
.21 Wood Halftimberd
.22 Stone
.23 Artificial stone
Concrete, pisé, cement, lime, etc.
.24 Other materials
Brick, metals, etc.
.25 Bases Courses
Plinths, footings; earth, gras, ground and ledgment tables; podium; water tables; belt, string, lintel and sil courses; offsets; batter, slope. For crowning, block and blocking courses see 721.27
.26 Arcades Colonnades
.261 General questions
.262 Arcades
Free standing, blind, intersecting, memorial, etc. arcades. Interlacing arches and archivolts (see also 721.428 Archivolts in general). Arcade bands, arcatures, spandrels, etc. See also 721.4 Arches, 729.334 Arcade design
.263 Colonnades
Peristiles, porticos (see also 721.867 Porches), pilastrades, balustrades (see also 721.56 Roof decorations), etc. See also 721.3 Columnar constructions, 729.327 Colonnade design

721.27 Entablatures Crowning courses
For courses in general see 721.25
.271 General questions
.272 Architraves Epistiles
See also 721.428 Archivolts, 721.865 Door and window architraves
.273 Friezes
Archt friezes, metopes, triglifs, pulvination
.274 Cornices Wall cornices
Block courses. See also 721.564 Roof cornices, 721.865 Door and window cornices
.275 Attics
.276 Parapets Blocking courses
See also 721.56 Roof decorations
.277 Copings Fractables
.28 Gables Pediments
Triangular, truncated, stept, ogee, broken, etc. See also 721.428 Timpanums, 721.58 Gable roofs, 721.865 Door and window gables and pediments, 729.37 Gable and pediment design
.29 Other walls
.291 Sustaining walls
Bearing and retaining walls; basement, external, party, internal (see also 721.292 Partitions), springing, etc. walls
.292 Partitions
See also 721.291 Internal walls, 729.96 Screens
.293 Solid walls
.294 Hollow or cavity walls Chamferd walls
.3 Columnar constructions
See also 721.263 Colonnades, 721.863 Columnar door and window inclosures, 729.32 Columnar design
.31 Wood
.32 Stone
.33 Concrete Artificial stone
.34 Other nonmetallic materials
Brick, terra cotta, etc.
.35 Metals
Iron, steel, etc.
.36 Fireproof Protected
.37 Architectural types
.371 General questions
.372 Piers Abutments
Simple, compound, engaged, etc.; pilasters, piedroits; pilaster masses and strips, antes, responds; buttresses, buttress piers (see also 721.426 Flying buttresses); pillars, pillarets (for Midwall pillars see 721.363 Midwall columns)

721.373 Columns Colonnets

Midwall, triumfal, etc.; lats, stambas, etc. For Compound or clusterd columns see Compound piers; Engaged columns see Pilasters 721.372

.374 Posts

Simple, compound, trellis, etc. posts. See also 624.9 Roof framing, 694.8 Stairways, 721.863 Door and window inclosures

.38 Details

Pedestals, plinths, stilobates; bases, base blocks; shafts, drums; capitals, imposts, impost blocks, summers; fluting, etc.

.39 Other topics

.4 Archt constructions

See also 624.6 Archt bridges, 721.262 Arcades, 721.864 Archt door and window inclosures, 729.33 Arch design

SUMMARY

721.41–.42	**Arches**	.46–.47	**Domes**	
.43–.45	**Vaults**	.48	**Niches**	**Mihrabs**

.41 Arches

Circular or 1-centerd arches. For architectural stiles (Roman, Byzantine, Romanesque, Saxon, Norman, etc.) see 729.333. Clas here general works on arches. See also 721.456 Types of ribs

.411 General questions on arch construction

.412 Round Semicircular

Rollock or rowlock, surmounted (see also 721.427 Concentric and stilted arches), bel, etc.

.413 Segmental

Diminisht, imperfect, scheme or skeen (these terms ar sometimes applied to other forms); flat segmental, camberd (see also 721.421 Flat arches in general). See also 721.422 Pointed segmental

.414 Horseshoe Moorish Saracenic

See also 721.422 Pointed horseshoe

.42 Other forms

For Cloisterd and Groin arches see 721.44 Cloisterd and Groind vaults (see also 721.456 Groin ribs); Oblique or skew arches see 721.455 Skew vaults; Splayd arches see 721.455 Expanding vaults

.421 Straight Flat Horizontal

Jack arches; sholderd, Dutch, French, etc. See also 721.413 Flat segmental arches

721.422 **Pointed**

Triangular: primitiv, miter, pediment, truncated; corbeld; 2-centerd, ogival or Gothic: acute, lancet; equilateral; blunt, drop, obtuse — deprest, surbased (these terms ar sometimes applied to other forms); pointed segmental (see also 721.413 Segmental arches in general); pointed horseshoe, Moorish or Saracenic (see also 721.414 Horseshoe arches in general); multicentered pointed: Tudor, Persian; ogee, contrasted, keel

.423 **Multicentered unpointed**

Compound, composit, mixt (these terms ar sometimes applied to other forms); basket handle; hanse or haunch (these terms ar sometimes applied to other forms); catenary, parabolic, hyperbolic; elliptic; cycloidal; oval, etc. Use as general number for Multicenterd arches. Clas general works on Unpointed arches in 721.41 Circular arches

.424 **Poligonal**

.425 **Arches clast by position**

Diagonal, transverse, longitudinal or wall, open, blind, abutment or outer, back or rear, etc. arches. See also 721.456 Ribs

.426 **Arches clast by function**

Discharging, relieving, safety; flying buttresses, semiarch, straining or trus arch, arch buttant, arch buttress (see also 721.372 Buttresses in general, 721.455 Continuous flying buttress); trimmer, squinch, triumfal, memorial, etc. arches

.427 **Arches clast by mode of construction**

Materials: built, laminated (sometimes cald Compound, for which see 721.423); wood, masonry, etc. Centerd; hand; concentric, stilted (see also 721.412 Rollock and surmounted arches); rampant, raking, rizing (sometimes cald Oblique, for which prefer 721.455 Oblique vaults); inverted, reverst, inflected; decorated (for design see 729.33): recest (sometimes cald Compound, for which see 721.423), cuspt, foild, lobed, foliated, scallopt, trefoild, Moorish multifoild, etc.; subarches, intradosed, soffited, extradosed, etc. Oblique and skew arches ar preferably clast as vaults; see 721.455

.428 **Details**

Haunches, reins; crown; voussoirs, keystones; intrados, soffit; extrados, back; archivolt, face (see also 721.262 Intersecting arcades, 721.272 Architraves, 721.865 Door and window archivolts); timpanum (see also 721.28 Pediments, 721.865 Door and window timpanums)

.429 Other topics

721.43 Vaults

Cylindric vaults. Clas here general works on vaults, cripts, and vaulted ceilings. May be divided like 721.41, e.g. 721.434 Horseshoe or Moorish vaults. For vault design see 729.34. See also 721.7 Ceilings

.44 Groind

Cros, compound, intersecting. Clas here also Groin arches. Quadripartite vaults, formd by 2 intersecting vaults: common groind vaults; domical (see also 721.46 Domes); Welsh, underpitch; oblique intersecting (see also 721.455 Simple oblique vaults). Tripartite vaults, formd by 3 intersecting vaults. Poligonal vaults, formd by 4 intersecting vaults. Coved or cloisterd vaults, cald also Cloisterd arches (see also 721.47 Square domes)

.45 Other forms

.451–.454 divided like 721.421–.424

E.g. 721.452 Pointed vaults

.455 Tunnel vaults Expanding vaults

Barrel, cradle, wagon; annular; helicoid; horizontal; inclined; skew, oblique (also cald skew arches; see also 721.427 Rampant arches, 721.44 Oblique intersecting vaults); half vaults, continuous flying buttresses (see also 721.426 Flying buttress arches); expanding, splayd or contracting vaults (also cald Splayd arches): conic, conoidal, etc.

.456 Rib and fan vaulting

Also cald Gothic vaulting. Simple and compound rib vaulting; tripartite, etc.; Welsh, pendant, lierne, etc. rib vaulting. Diagonal or groin ribs, ogives; transverse ribs, arcs doubleaux; wall or longitudinal ribs, formerets; intermediate ribs, tiercerons; liernes: ridge ribs (liernes according to French usage), cros ribs (liernes according to English usage). See also 721.41–.42 Arches, 721.452 Pointed vaults

.457–.459 divided like 721.427–.429

E.g. 721.458 Vault details, vault voussoirs, etc.

.46 Domes

Circular domes. Clas here general works on domes and cupolas. Hemisferic; segmental, diminisht, saucer; bulbus, onion shaped; flaring, bel shaped; with multicenterd unpointed profile; pointed; polihedral, etc. domes according to profile. For dome design see 729.342. See also 721.44 Domical groind vaults, 721.576 Domed roofs, 721.588 Ogee roofs

721.47 Other forms

According to horizontal section, mode of construction, etc. Multicenterd, elliptic; convoluted, melon shaped; triangular; square, rectangular (see also 721.44 Coved vaults); poligonal; half domes, etc. Drums, tambours, pendentivs, etc.

.48 Niches Mihrabs

.49 Other

.5 **Roofs**

See also 624.9 Roof engineering, 695 Roof coverings, 729.35 Roof design

.51 Wood

.52 Masonry Artificial stone

Concrete, etc.

.53 Other nonmetallic materials

Glas, etc.

.54 Metallic

.55 Roof openings Roof windows

See also 721.8 Doors and windows

.551 General questions

.552 Hypethral openings Compluvia

Including hypethral buildings in general

.553 Dormers

.554 Skilights Lucerns

.555 Lanterns Cimborios

See also 725.976 Tower lanterns

.556 Lucarns Lutherns Spire lights

.557 Scuttles Hatches

.558 Louvers

.559 Other

.56 Roof decorations

See also 721.263 Balustrades, 721.276 Parapets, 729.35 Roof design

.561 General questions

.562 Crestings

Finials: hip knobs, épis, ridge spikes; ridge ornaments; vanes, bannerets, wethervanes; antefixes; lightning rods; radio antennas (see also 621.384135 Antennas in Radio engineering)

.563 Reliefs

Repoussé work; sculpture, carving, statuary, etc. See also 729.5 Decoration in relief, 730 Sculpture

.564 Roof cornices Decorativ eavs

See also 721.274 Wall cornices, 721.865 Door and window cornices

.565 Bargeboards Gable boards

.566 Ornamental roofing

Colord tiles, etc. See also 695 Roofing

721.57 Spires and other roof structures Domed roofs

See also 725.97 Towers

.571 General questions

.572 Spires Broaches

.573 Steeples

.574 Fleches Spirelets

.575 Pinnacles

.576 Domed or cupolated roofs

Roof domes and cupolas. See also 721.46 Domes

.578 Pent houses Roof houses

See also 721.592 Penthouse roofs

.58 Gable roofs Ridge and span roofs

Clas here double pitch roofs in general. See also 721.28 Gable walls, 721.865 Door and window gables

.581 General questions

.582 Triangular

.583 Gambrel Dutch

See also 721.592 Curb roofs

.584 Truncated

Jerkinhed, shredhed. See also 721.592 Hip roofs

.585 M roofs Trof and V roofs

.586 Saddleback roofs

.587 Sawtooth roofs

Half gables, canted or ' factory ' roofs

.588 Imperials Ogee roofs

See also 721.46 Ogee domes

.589 Other forms of gabld roofs

.59 Other forms of roofs

.592 According to slope and profile

Flat; single-pitcht, penthouse (for pent houses as roof structures see 721.578); curb, mansard, French roofs (see also 721.583 Gambrel roofs); hip, pavilion, pyramidal roofs (see also 721.584 Jerkinhed roofs); valley roofs; cylindric roofs (see also 721.597 Barrel roofs)

.593 According to horizontal section

Triangular, square, round, irregular, etc.

.597 According to mode of construction

Single-framed; coupld; trust, scissor-rafter; cradle, barrel, compass (see also 721.592 Cylindric roofs); homogeneous, etc. See also 624.9 Roof framing

.598 Roof details

Roof parts, drainage, etc.

721.6 Floors Flooring

Construction and coverings

.61 Wood

.62 Stone Artificial stone

Concrete, etc.

.63 Other nonmetallic materials

Brick, hollow tile, etc.

.64 Metallic Compound

.65 Composit

Coverings only

.66 Parquetry

.67 Mosaics

See also 729.73 Mosaic floors, parquetry

.68 Tiles

See also 695.3 Roofing tile

.69 Other coverings

.7 Ceilings

For vaulted ceilings see 721.43–.45 Construction, 729.34 Design

.71 Wood

.72 Stone

.73 Brick or tiles with iron or steel Ceramic materials

.74 Metallic

.75 Concrete Plaster

.8 Openings and their fittings

See also 721.55 Roof openings

SUMMARY

721.81–.83	Doors	.87	Gratings Guards
.84–.85	Windows	.88	Fastenings Locks
.86	Door and window inclosures	.89	Other details

.81 Doors

Wooden doors. Clas here also general works on doors, doorways and portals

.82 Of other materials

.822–.829 divided like 691.2–.9

E.g.721.826 Glas doors

.83 Other classes of doors

.833 According to form

Single, double (for French doors see 721.846 French windows; see also 721.836 Folding doors), double margin, Venetian, Dutch, half doors, turnstiles

721.835 **According to position and function**

Storm and wether doors; jib, conceald and secret doors; blank, sham and false doors (also cald Blind doors; see also 721.837 Slatted doors); trap and cellar doors; portes-cochères, posterns, wickets, gates (see also 725.975 Gate towers), etc.

.836 **According to method of hanging**

Swinging doors: hinged, pivoted, etc.; crapaudine, revolving, folding or accordion doors (see also 721.833 Double doors); flapping or flap doors. Sliding doors, portcullis. Rolling doors (see also 721.872 Shutters)

.837 **According to type of construction**

Batten, cleated or ledgd; panel or framed; sash or glazed; slatted (also cald Blind doors; see also 721.835 Blank doors, 721.873 Blinds); lattice, screen (see also 721.875 Window screens), etc. doors

.838 **Structural details**

Slabs, cleats, battens, ledges, panels, stiles, slats, rails (see also 721.891 Tracks)

.84 Windows

External windows. Clas here general works on windows

.841 General questions

.842 Materials

May be divided like 691, e.g. 721.8427 Windows with steel frames

.843 According to form

Single, coupld, clusterd, Venetian, Diocletian, Palladian, Wyatt, half windows; rose, round or wheel windows, oculi; fanshaped (see also 721.845 Fan lights), etc. windows

.845 According to position or use

Storm or double sash windows; blank, blind or false windows; lowside or offertory windows, lyenoscopes, squints, hagioscopes; pede, lunet, transom windows, fanlights (see also 721.843 Fanshaped windows, 721.862 Transoms); bay windows: bow or compass windows, oriels, cabinet windows. See also 721.55 Roof openings

.846 According to type of construction and method of hanging

Swinging windows, casements: hinged, pivoted, etc., French windows. Sliding or sash windows. Fixt, lattice, hit and mis, etc. windows

.848 Structural details

Sashes, casement sashes; sash bars, muntins, leds, cames (see also 721.862 Mullions, transoms); panes, quarrels

721.85 Internal windows

May be divided like 721.84 e.g. 721.855 Internal fanlights

.86 Inclosures of doors and windows

.861 General questions

.862 Frames Cases

Jams, reveals; pulley boxes or cases, sash pockets; lintels (clas here all squarehcded openings); sils, stools; mullions, transoms (see also 721.845 Transom windows, 721.848 Sash bars, muntins)

.863 Columnar inclosures

May be divided like 721.37, e.g. 721.8633 Door and window columns

.864 Archt inclosures

Clas here all arehshaped openings. For straight or squarehcded openings see 721.862 Lintels. If further subdivision is desired use 1 Circular divided like 721.41, 2–7 divided like 721.422–.427; e.g. 721.86414 Moorish, 721.8642 Pointed door and window inclosures

.865 Hoods Caps

Architraves (see also 721.272 Architraves in general); archivolts (see also 721.428 Archivolts in general); gables, pediments, frontons, coronets, gablets (see also 721.28 Wall gables, 721.58 Gable roofs); timpanums (see also 721.428 Timpanums in general); cornices (see also 721.274 Wall cornices, 721.564 Roof cornices); consoles, brackets

.866 Balconies

.867 Porches Verandas Stoops

Awning or canopy porches (see also 729.934 Canopies as fixt furniture). See also 721.263 Porticos

.868 Fire escapes

.869 Other

.87 Gratings Guards

.871 General questions

.872 Shutters

See also 721.836 Rolling doors

.873 Blinds

Persiennes, etc. See also 721.837 Slatted or blind doors

721.874 Grils
.875 Screens
Window screens. See also 721.837 Screen doors, 729.96 Screens as architectural accessories
.876 Guard bars
.88 Fastenings Locks
For doors, windows, screens, etc. Catches, bars, hooks, bolts, espagnolets, etc.
.89 Other details
.891 Hanging apparatus
Hinges, pivots, tracks, rails (see also 721.838 Door rails), rollers, pulleys, sash weights and cords, chains, etc.
.892 Opening and closing apparatus
Handles, knobs, adjusters, springs, stops, etc. See also 721.894 Push plates
.893 Signaling apparatus
Knockers, doorbels, speakingtube openings, etc.
.894 Plates Scutcheons
Knob and keyhole scutcheons; push plates (see also 721.892 Opening and closing apparatus), doorplates, number plates, house numbers, mail slots, card holders, etc.
.895 Wetherstrips Ventilators
.9 Iron and composit structures
For strengh of materials see 620.11 Engineering, for their suitability for building purposes see 691 Building
.91 Cast iron
.92 Wrought iron
.93 Steel
.94 Composit
.95 Iron and wood
.96 " " stone
.97 " " ceramic materials Reinforst concrete
.972 Iron and brick
.973 " " terra cotta
.974 " " tile
.975 " " artificial stone Reinforst concrete
.98 Iron and glas
.99 Glas and other materials
.992–.999 divided like 620.12–.19
E.g. 721.994 Glas

722–724 Architectural stiles

Here ar clast works on architectural stiles as such. General and local architectural history and geografy ar clast in 720.9 divided like 930–999. As all subsections of 722–724 ar further subdivided by regions and periods like 930–999, an extra 0 must be added before applying the form divisions as given in Table 2 after the Relativ index; e.g. 722.7 Ancient Roman architecture, 722.703 Roman architecture during the period 509–264 B. C., 722.7003 Cyclopedia of Roman architecture. Architectural discussions of individual ancient buildings should usually be clast by stile in 722, of all other buildings by function in 725–728; e.g. the Parthenon 722.804, York cathedral 726.65. See also in City planning 711.424 Cities according to architectural stile, 711.65 Buildings according to architectural stile

Detaild subdivisions hav been workt out for the various regional and period stiles in the ful expansion available at the Decimal Classification Editorial Office, Library of Congress, Washington, D. C. Illustrativ examples ar given below under the various English stiles

SUMMARY

722 Ancient, Oriental, Pagan
- .1 Chino-Japanese
- .2 Egyptian
- .3 Phenician
- .4 Southeast Asiatic
- .5 West Asiatic
- .6 Classic Greco-Roman
- .7 Roman
- .8 Grecian
- .9 Other: American Indian, Celtic, etc.

723 Medieval, Christian, Mohammedan
- .1 Early Christian
- .2 Byzantine
- .3 Mohammedan, Saracenic, Moslem
- .4 Romanesque
- .5 Gothic

724 Modern
- .1 Renaissance Neoclassic
- .2 Classic revival 19th century
- .3 Gothic " Romanticism
- .4 Victorian Gothic
- .5 Electicism
- .6 Néo-Grec Renaissance adaptations and revivals: Queen Anne, Georgian, etc.
- .7 Timber Half-timber Swiss
- .8 Romanesque revival
- .9 Other

722 Ancient, Oriental, Pagan architecture

Seven wonders of ancient world. All subsections may be further subdivided like 930–999; e.g. 722.1131 Ancient, 722.1151 Modern stiles of Chinese architecture. See also 571.8 Prehistoric dwellings

.1 Chino-Japanese

.11 Chinese

.12 Japanese

.2 Egyptian

See also 723.123 Egyptian early Christian, 723.31 Egyptian Mohammedan

.3 Phenician Tyrian Sidonian

See also 722.5 West Asiatic

.31 Nativ Phenician

Tyrian, Sidonian

.32 Colonial Phenician

Carthaginian, Cypriote

.33 Jewish

722.4 **Southeast Asiatic stiles**

Cave temples. See also 726.1 Religious temples

.41 India

See also 723.34 Southeast Asiatic Mohammedan

.413 Buddhist

.414 Jaina

.415 Hindu Brahman

Indo-Arian, Sanskrit, Northern; Chalukyan, Central; Dravidian, Southern

.42 Himalayan

.43 Burmese

.44 Siamese

.45 Cambodian Khmer

.46 Javan Malay

.5 **West Asiatic**

See also 722.3 Phenician, 722.61 Aegean

.51 Mesopotamian

Chaldean, Babylonian, Assyrian

.52 Ancient Persian

Median, Achaemenian, Sassanian. See also 723.33 Persian Mohammedan

.53 Parthian

.54 Hittite

.6 **Classic Greco-Roman**

For Classic orders see 729.326

.61 Aegean Pelasgic Homeric

Cyclopean, Minoan, Mycenaean. See also 722.5 West Asiatic

.62 Etruscan

.7 Roman

Amfitheater or Colosseum, Rome (see also 725.827 Amfitheaters in general); Pantheon, Rome (see also 726.12 Roman temples). For Roman orders see 729.326

.8 Grecian (Greek) Hellenic

Acropolis, Athens (see also 725.183 Citadels); Parthenon, Athens (722.804) (see also 726.12 Greek temples). Archaic, Periclean, Alexandrian, etc. periods. For Greek orders see 729.326

.9 **Other**

.91 American (Pre-Columbian) Indian

.911 Aztec Toltec Nahuatl Zapotec (Tzapoteco) Mexican

.912 Maya Central American Yucatan

.913 Incan Peruvian

.917 North American (general and other)

.918 South " (" " ")

.92 Celtic

723 Medieval, Christian, Mohammedan architecture

Seven wonders of medieval world. For method of subdivision of subsections see note under 722–724

.1 **Early Christian**

.11 Western Latin

.12 Eastern Oriental

.121 Anatolian Asia Minor

.122 Syrian

See also 723.31 Syrian Mohammedan

.123 Coptic Egyptian North African

See also 722.2 Ancient Egyptian, 723.31 Egyptian Mohammedan, 723.321 North African Mohammedan

.2 **Byzantine**

.21 Armenian

.22 Russian

.23 Moldavian

.3 **Mohammedan Saracenic Moslem**

.31 Arabian Syrian Egyptian

See also 722.2 Ancient Egyptian, 723.122 Syrian early Christian, 723.123 Egyptian early Christian

.32 Moorish Moresque

.321 North African

See also 723.123 North African early Christian

.322 Hispano-Moresque Spanish

For the Alhambra see 725.17

.33 Persian Iranian

See also 722.52 Ancient Persian

.34 Southeast Asiatic

Pathan, Sharki, Ghujerati; Bengali, Bahmani, Bijapûri; Mogul. See also 722.41 Ancient and general southeast Asiatic

.35 Turkish

.4 **Romanesque**

Pre-Romanesque, Carolingian

.41–.48 divided like 941–948; e.g.

.42 English

.4201 **Saxon**

2 **Norman**

21 Early

23 Late

.49 Other countries

Divided like 940–999; e.g. 723.49493 Flemish or Belgian Romanesque

723.5 **Gothic Pointed Ogival**
.51–.58 divided like 941–948; e.g.
.52 English
.5203 **Plantagenet**
31 Transitional
32 Early English stile Early Plantagenet Lancet 1st pointed 13th century
35 Decorated Later Plantagenet Middle pointed Edwardian 14th century
36 Geometric
37 Curvilinear Flowing
4 **Perpendicular Rectangular Late pointed Lancastrian Florid Flamboyant 15th century**
5 Tudor
.59 Other countries
Divided like 940–999, e.g. 723.59492 Dutch Gothic

724 Modern stiles of architecture
All subsections may be further subdivided like 940–999 (for examples see below)
.1 **Renaissance Neoclassic**
Divided like 940–998; e.g.
.142 English
05 Early Transition
16th century
055 Elizabethan
061 Jacobean
062 Late Anglo-classic Anglo-Italian Anglo-Palladian Portico
Post-renaissance, compromize, 17th–18th century
069 Queen Anne
07 Georgian
Pseudoclassic stile, academic supremacy, 18th century
.146 Spanish
Plateresque, Griego-Romano, etc.
.173 United States Colonial American Queen Anne and Georgian
.174–179 **Regional stiles**
Divided like 974–979; e.g. 724.174 New England or northern colonial, 724.1747 Dutch colonial, 724.175 Southern colonial, 724.1794 California mission (for Spanish colonial use 724.172; for mission churches see 726.55)

724.199 Baroque Rococo
Renaissance decline; including Italian post-renaissance, decadenza, seicento (724.19945)
2 **Baroque**
3 **Rococo**
4–9 **By country divided like 940–999; e.g.**
46 Spanish
4605 **Baroque**
53 Rococo Churrigueresque
.2 **Classic revival 19th century**
.22 Roman
.23 Greek
.24–.29 Regional
Divided like 940–999; e.g.
.242 English
07 Periods
073 Roman phase
074 Greek "
.273 United States
4 **Roman phase**
5 **Greek "**
.3 **Gothic revival Romanticism Medieval revival**
.342 English
07 Early phase Castellated stile
For later phases see 724.4 Victorian Gothic
.4 Victorian Gothic
Tudor or Elizabethan Gothic revival, 'battle of the stiles'
.5 **Eclecticism Renaissance adaptations and revivals**
.599 Special phases
1 **Queen Anne revival and adaptations**
2 **Georgian revival and adaptations**
3 **Baroque " " "**
.6 Néo-Grec
.7 **Timber Half-timber Swiss stile**
.8 **Romanesque revival and adaptations**
.9 **Other stiles**
.91 20th Century
No satisfactory name has been agreed upon to characterize present day stiles: functionalism, modernistic, streamlined, etc.

725–728 Special types of buildings

May also be clast under their special subjects, e.g. 022 Library buildings in Library science. See also in City planning 711.66 Structures according to use

725 Public buildings

Civil and industrial architecture. For form divisions see Table 2 after Relativ index.

SUMMARY

725.1	Administrativ Governmental	.6	Prisons Reformatories
.2	Business Commercial	.7	Refreshment, bath and park buildings
.3	Transportation Storage	.8	Recreation buildings
.4	Factories Mils	.9	Other public buildings
.5	Hospitals Asilums		

.1 Administrativ Governmental

.11 Capitols Legislativ halls

Houses of parliament, state houses; provincial, national, international. For city and county buildings see 725.13

.12 Ministries Executiv departments

May be divided like 353.1–.8, e.g. 725.125 Ministries of justice (see also 725.15 Courthouses, palaces of justice). For government buros and offices see 725.132, postoffices 725.16, military buildings 725.18

.129 Peace palaces

.13 Government buros and offices Local government buildings

For capitols and legislativ halls see 725.11

.131 General questions

.132 Government buros Public offices

For government departments see 725.12

.135 County buildings

See also 725.15 County courthouses

.136 Township buildings

.137 Municipal buildings

City, town, village halls; broletto, hôtel de ville, rathaus, etc.

.14 Customs buildings Excise offices

.141 General questions

.142 Customhouses

Customs watchhouses

.143 Excise offices Internal revenue offices

.144 Mints

.145 Customs warehouses

Bonded warehouses. See also 725.35 General warehouses

.147 Local taxation offices

Toll houses, toll gates, octroi houses

725.15 Courthouses Record offices
Tribunals, palaces of justice; international, national, state, county (see also 725.135 County buildings), municipal and justices' courts, etc. See also 725.125 Ministries of justice
.158 Record offices Archives buildings
.16 Postoffices
Postal stations, etc. See also 725.124 Postoffice dept. For postoffice cars see 699
.17 Official residences Palaces of rulers
Executiv mansions. International, national (e.g. Alhambra), state, local. See also 728.3 City mansions
.178 Embassies Legations Consulates
.18 Military buildings Police stations
See also 623 Military engineering, 725.126 Ministry of war
.181 General questions
.182 Barracks Casernes
See also 623.612 Barracks in Military engineering
.183 Citadels Forts Fortresses
For the Acropolis, Athens, see 722.8. See also 623.1 Fortifications in Military engineering
.184 Armories
.185 Guard rooms
.186 Cantonments Army huts Dril halls
.187 Arsenals Magazines
See also in Military engineering 623.47 Arsenals, 623.614 Magazines
.188 Police stations
For morgs see 726.88. See also 725.62 Lockups
.189 Other
.19 Other public buildings
Structures for public works, etc.
.191 Fire stations
Engin and truck houses, fire alarm and fire patrol stations, watch towers (see also 725.97 Towers in general)
.193 Waterworks
Aqueducts, reservoirs, pumping stations, water towers (see also 725.97 Towers in general), etc. See also 728.995 Private watertanks and towers
.194 Sewerage works Refuse disposal plants
Public sanitary works, disinfecting and cleaning stations, refuse plants, municipal incinerators
.195 Municipal depots and yards Public work shops
Municipal stables, etc.
.196 Public washhouses Lavoirs
Riverside washhouses, toilets, comfort stations, rest rooms
.197 Weights and mesures offices
.198 Public light and power plants
Electric, gas, etc. works

725.2 **Business Commercial**

.21 Stores

.211 General questions

.212 Wholesale stores

.213 Retail stores Shops

Chain stores, branches; stalls, kiosks

5 **Shop fronts Show windows**

.214 Department stores

.215 Mail order houses

.22 Mixt store, office and apartment buildings

Store or office buildings with halls or auditoriums (see also 725.8 Recreation halls). For apartment buildings in general see 728.2

.23 Office buildings

Insurance, law, medicin, telefone, telegraf, etc. office buildings (when banking or credit feature is emfasized clas in 725.24)

.232 Skiscrapers

.233 Loft buildings

.24 Financial and credit institutions

Banks, savings banks, trust and investment institutions, safe deposit banks (see also 725.35 Safe deposit storehouses), building and loan institutions

.248 Pawn shops Monts de piété

.25 Exchanges Boards of trade

.251 General questions

.252 Stock exchanges Bourses

.253 Commodity exchanges

Produce, provision, cotton, lumber, etc. exchanges

.255 Boards of trade Chambers of commerce

Commercial clubs, associations of commerce, etc. Some commodity exchanges ar cald Boards of trade, these should be clast in 725.253

.26 Market buildings

Wholesale, retail, shopping arcades

.27 Livestock markets Stockyards

Market crosses

.28 Abattoirs Slaughter houses

Packing houses

.29 Other business buildings

Including special rooms; e.g. board rooms, etc.

725.3 **Transportation Storage**

.31 Passenger stations for land transportation

Including combination railway and bus stations

.311 Small Country Suburban

Waiting rooms; see also 725.316 Waiting rooms as parts of station buildings

.312 Large City

Thru, terminal

.313 Union Junction

.314 Stations on 2 or more levels

.315 " " special types of railways

On inclined or mountain railways, etc.

.316 Parts of railway stations

Ticket offices, waiting rooms (see also 725.311 Waiting rooms as separate buildings), cloak rooms, platforms, bulletin boards, indicators, etc.

.317 Stage, bus and streetcar or tramway stations

Post houses

.318 Elevated railway stations

.319 Underground railway or subway stations

.32 Freight houses Express buildings

For land transportation

.33 Other railway buildings

Railway shops; roundhouses, inspection pits; car houses; watertanks; storehouses for railway supplies, etc.; fueling structures (see also 725.364 Coal handling plants); tool houses; guard and signal houses, switch towers (see also 725.97 Towers in general), etc.

.34 Dock buildings Ferry houses Marine buildings

Pier and wharf, port and harbor buildings. Wharf boats, landing stages; boat houses; combined commercial and recreation piers (see also 725.87 Recreation piers); weirs, locks; water mils, etc.

.35 Warehouses Storehouses

Storage structures and yards for merchandize, household goods, etc.; safe deposit storehouses (see also 725.24 Safe deposit banks); cold storage (see also 728.97 Private ice houses and cold storage houses). For grain elevators see 725.362, private granaries 728.9531. See also 725.145 Customs warehouses

.36 Elevators

.361 General questions

.362 Grain elevators

Floating elevators, etc. See also 725.35 Commercial grain storehouses, 728.9531 Private granaries

.363 Malt elevators

.364 Coal " Coal handling plants

See also 725.33 Railway fueling structures

725.365 Ore elevators
See also 725.431 Mine buildings, 725.432 Metallurgic establishments
.366 Sand and gravel elevators
.367 Cement, lime and plaster elevators
.38 Garages Service stations Livery stables
.381 General questions Garages in general
See also 728.949 Private garages
.382 Service stations in general
.383 Cleaning installations
.384 Filling stations
.386 Bus garages
.388 Livery stables
See also 728.941 Private stables
.39 Other transportation buildings
Air transport buildings, hangars, landing stages, mooring masts and pylons, aerial beacons (see also 725.976 Lighthouses). See also 728.949 Private hangars
.4 Factories Mils Industrial buildings
.41 Textil, clothing and lether factories
.411 General questions
.412 Textil factories or mils
Linen, cotton, wool, silk, etc. mils. May be divided like 677, e.g. 725.4123 Woolen mils
.413 Camp equipment, tent and awning factories
May be divided like 685.53, e.g. 725.4131 Tent factories
.414 Tanneries Lether factories
.415 Lether goods factories
Harness and saddle, belt, shoe, glove, trunk and luggage factories
.416 Fur factories
.417 Clothing factories
May be divided like 687, e.g. 725.4173 Hosiery mils
.418 Rubber and rubber goods factories
.419 Other
.42 Factories for chemicotecnical industries
.421–.425, .427–.428 divided like 661–665, 667–668
E.g. 725.4276 Paint factories. For ceramic and glas factories see 725.48
.43 Buildings for mining and mineral industries
Metal works
.431 Mine and quarry buildings
Hedframes, crushing and concentrating plants, tipples, washhouses, etc. See also 725.365 Ore elevators
.432 Metallurgic establishments
Ore reduction works, refineries, smelting works, etc. May be divided like 669, e.g. 725.4323 Copper refineries. See also 725.365 Ore elevators

725.433 Factories and mils according to processes employd

Forges, foundries, machine shops, rolling mils, etc. For storehouses see 725.35, woodworking shops, etc. see 725.44

.434 Factories using metals, building stones and other minerals

Factories for making articles of iron and steel: hardware, stoves, cutlery, etc.; of precious metals (gold, silver, etc.): jewelry, etc. (for watch and clock factories see 725.438); copper and its alloys: bels, etc.

.435 Tool, implement and machine factories

May be divided like 610–699; e.g. Agricultural implements 725.4353. For scientific instruments see 725.438. See also 725.442 Woodworking mils

.436 Blacksmith shops

.437 Lock and gun factories

.438 Factories for making watches, clocks and other instruments of precision

May be divided like 681, except for factories otherwize specially provided for; e.g. 725.43811 Watch and clock factories

.439 Other

.44 Sawmils and factories for making articles of wood

See also 725.46 Paper mils

.441 Sawmils Lumber mils

Lath and shingle mils

.442 Woodworking mils and shops

Carpenter shops; planing mils; sash and door, box and crate factories; veneer mils; ornamental woodworking shops for making moldings, scrollwork, interior finish, etc. See also 725.435 Implement factories

.443 Barrel factories Cooperage works

.444 Cabinet and furniture factories

.445 Woodenware factories

.446 Excelsior mils

.447 Cork factories

.45 Vehicle factories

.451 Carriage and wagon factories

Sleigh and sled factories

.452 Motor vehicle factories

Automobile, motor truck, motorcicle, etc. factories. May be divided like 629.22, e.g. 725.4524 Motor truck factories. For bicicle factories see 725.453

.453 Bicicle factories

.454 Car factories

Passenger, pullman, express, mail, freight, streetcar, etc. factories

725.455 Boat and ship factories

Shipyards, etc. May be divided like 623.82, e.g. 725.4555 Yards and factories for constructing warships

.456 Aircraft factories

May be divided like 629.133, e.g. 725.4562 Balloon factories

.46 Pulp and paper mils and factories for making articles of paper

See also 725.44 Sawmils and woodworking factories

.47 Grain mils Gristmils

Mils for flour, meal, feed, etc. May be divided like 633.1, e.g. 725.471 Wheat flour mils

.48 Glas and ceramic works

May be divided like 666, e. g. 725.487 Brick and tile factories

.49 Other factories and industrial buildings

Clas here only buildings not provided for in 725.41–.48. .492–.499 may be divided like 620–699; e.g. 725.492158 Ice plants. 725.491 may be divided like the whole classification for industrial buildings not otherwize provided for

.5 Hospitals Asilums

Charitable and welfare institutions. See also 725.6 Reformatories

.51 Sick Wounded

Infirmaries, surgeries, eye and ear hospitals, lying-in or maternity hospitals, lazarets, sanitariums for incurables, etc. May be divided like 362.1, e.g. 725.512 Dispensaries. For inebriate asilums see 725.65, baths 725.73, watering places 725.75. See also 725.57 Children's hospitals

.52 Insane asilums Madhouses

.53 Idiot, imbecil, feebleminded institutions

.54 Blind, def, dum asilums

.55 Institutions for paupers

Almshouses, poorhouses, workhouses; temporary lodgings, dormitories, etc.; pauper colonies

.56 Homes for the aged

.57 Child welfare institutions

Orfan asilums, children's hospitals, etc. May be divided like 362.7, e.g. 725.573 Orfan asilums. For general hospitals see 725.51, foundling asilums 725.58. See also 725.64 Juvenil reformatories, reform schools

.58 Foundling asilums

.59 Other

Soldiers and sailors homes, mountain hospices, buildings of general relief organizations, Red Cross, etc. (see also 726.9 Buildings of religious organizations); animal asilums and hospitals (see also 728.948 Private veterinary rooms and livestock infirmaries). For spas, hydros, etc. see 725.75

725.6 Prisons Reformatories

See also 725.5 Hospitals, asilums

.61 Prisons Penitentiaries

National, state, etc.

.62 Jails Lockups

Detention, eel, station houses; workhouses for vagrants, petty offenders, ete. See also 725.188 Police stations

.63 Reformatories for adults

Magdalen houses, homes for fallen women, houses of correetion

.64 Juvenil reformatories

Reform sehools, houses of refuge, truant schools, industrial or training sehools for juvenil delinquents. See also 725.57 Child welfare institutions

.65 Inebriate asilums Washingtonian homes

See also 725.51 Sanitariums

.66 Homes for drug addicts

.67 Internment houses and camps

For prisoners of war, enemy aliens, ete.

.7 Refreshment, bath and park buildings

.71 Eating places

Cafés, lunehrooms, pastry-shops, iceeream parlors, eabarets, road houses, etc.

.72 Saloons Barrooms Taverns

Tap rooms, bodegas, beer eellars, publie houses (pubs), ete.

.73 Baths

Warm, medicated, Turkish, Russian, ete. .731–.737 may be used like 613.41–.47, e.g. 725.735 Salt baths, and .738 used for Medieated baths. See also 725.51 Sanitariums

.74 Swimming baths Natatoriums

Open air baths

.75 Buildings for watering places and helth resorts

Buildings for spas, hydros, hot springs, mineral springs, winter resorts, ete. See also 725.51 Sanitariums, 725.78 Casinos, 728.52 Resort hotels

.76 Park buildings

May be divided as needed like 717.68 Plesure buildings in Landscape arehitecture, using .769 for service buildings; e.g. 725.762 Outlook towers

.77 Amusement park buildings

.78 Casinos

See also 725.75 Watering places

.79 Other

725.8 Recreation buildings

See also 725.22 Store and office buildings with halls or auditoriums

.81 Music, concert and orchestra halls

See also 725.83 Auditoriums

.82 Theaters Buildings for shows and spectacles

.821 General questions

.822 Playhouses Opera houses

Little theaters, marionet, pantomime and traveling theaters, etc.

.823 Vaudevil houses Burlesk and variety theaters

.824 Moving picture theaters Cinemas

.825 Panoramas Dioramas Cycloramas

.826 Hippodromes Circuses Coliseums

.827 Stadiums Amfitheaters Grandstands

Garden theaters, structures for outdoor sports, tennis courts, etc. May be divided like 796, e.g. 725.82733 Football stadiums. For the Amphitheater or Colosseum of Rome see 722.7

.828 Traind animal menageries and theaters

.829 Other

.83 Auditoriums

Halls for assemblies, meetings, lectures, readings, etc. See also 725.81 Music halls, 725.92 Temporary halls

.84 Buildings for indoor games

Bowling alleys; billiard saloons, pool halls, halls for ping pong or table tennis, etc.; card halls, halls for ches, checkers, backgammon, etc.; roulet halls, etc. For casinos see 725.78

.85 Gymnasiums Turnhalls Athletic clubs

.86 Rinks Motordromes Dancehalls

.861 General questions

.862 Skating rinks Ice palaces

Roller skating rinks

.863 Velodromes

Bicicle rinks and halls, motordromes, autodromes

.865 Indoor running tracks

.866 Dancehalls

.87 Boat houses. Recreation piers

Yacht and canoe clubs. See also 725.34 Combined commercial and recreation piers

.88 Riding halls, clubs or schools

.89 Other

.891 Shooting galleries

For firearms and archery

.892 Race tracks

For horse racing, dog racing, etc.

725.9 **Other public buildings**

.91 Exhibition halls Fair buildings

See also 727.6–.7 Museums and art galleries

.92 Temporary halls Portable buildings

Religious: tabernacles (see also 726 Religious architecture); political; chautauqua halls; workmen's barracks, etc. Clas here only general discussions of portable buildings; individual buildings ar clast elsewhere according to purpose, e.g. Portable schools 727.1. For permanent auditoriums see 725.83

.93 Workmen's clubs and institutes Gild houses

Trades union halls

.94 Memorials War memorials

For special forms of memorials see numbers for those forms, e.g. 721.426 Memorial arches

.97 Towers

Usually it wil be found best to clas individual towers by purpose. For tower design see 729.36. See also 721.57 Spires, etc., 725.191 Fire watch towers, 725.193 Water towers, 725.33 Railway switch towers, 726.87 Mortuary towers

.971 General questions

.972 Materials

May be divided like 691, e.g. 725.9722 Stone

.973 Form Plan

Round, oblong, triangular, etc.; staged, leaning; composit, etc.

.975 Position

Detacht towers, free standing, independent; wall or mural towers, engaged, pavilion; buttress towers; central towers, gate towers (see also 721.835 Gates, 728.91 Gate houses), bridge towers (for towers as integral parts of bridges see 624 Bridges)

.976 Purpose

Refuge, defense, keeps, donjons, pele towers, observation or watch towers, etc.; bel towers, campaniles; clock towers; beacons, lighthouses (see also 725.39 Aerial beacons in air transportation); lanterns, including lanterns as parts of towers (see also 721.555 Roof lanterns); memorial towers, etc. Many towers wil be clast with the special types of buildings to which they belong, e.g. 726.28 Minarets, 726.597 Church towers

.977 Turrets

Echauguettes, bartizans, pepper box turrets, stair turrets, etc.

726 Ecclesiastic and religious buildings

See also 246 Ecclesiology, religious art, 725.92 Temporary halls, tabernacles. For form divisions see Table 2 after Relativ index

SUMMARY

726.1 **Temples (nonchristian)**
.2 **Mosks Mohammedan temples**
.3 **Synagogs Jewish "**
.4 **Chapels Sunday-school buildings Parish halls**
.5 **Churches**
.6 **Cathedrals**
.7 **Conventual and monastic establishments**
.8 **Mortuary and sepulcral buildings**
.9 **Other religious buildings**

.1 Temples (nonchristian)

Chaityas, pagodas, ziggurats, vimanas, sikras, teocalli, etc. See also 722.4 Cave temples, 722.7 Pantheon, Rome, 722.804 Parthenon, Athens

.11 General questions

.12–15, .19 divided by religion like 292–295, 299

E.g. 726.143 Buddhist temples, 726.19219 Assyro-Babylonian temples (ziggurats, etc.) For Mohammedan temples see 726.2, Jewish temples 726.3, Morman temples 726.5893

.2 Mosks Mohammedan temples

May be divided like 723.3, e.g. 726.22 Moorish. See also 726.82 Tomb-mosks

.28 Minarets

See also 725.97 Towers in general

.3 Synagogs Jewish temples

.4 Chapels Sunday-school buildings Parish halls

Christian and nonchristian

.41 Chapels

Small or accessory places of worship. Chapels of ease, oratories, cript chapels (see also 726.596 Cripts in churches, 726.82 Cript tombs), etc. See also 726.595 Chapels in churches, 726.81 Mortuary chapels

.42 Shrines

See also 726.86 Mortuary shrines, 726.95 Wayside shrines

.43 Baptistries

See also 726.596 Baptistries in churches

.44 Tithe barns

.45 Sunday-school buildings Parish halls

726.5 **Churches**

.51 General questions

.52 Form

Longitudinal: basilican, rectangular; cruciform, cros churches; hall churches, hallenkirchen. Byzantine, fortified, etc.

.53 By locality

.532 Urban

.533 Suburban

.534 Rural Village

.54 Parish churches

.55 Mission or district churches

See also 726.98 Missions

.56 Institutional and proprietary churches

.57 Collegiate churches

.58 By denomination

Divided like 280, e.g. 726.583 Episcopal churches.

.59 Divisions Rooms

For Sunday-school accommodations see 726.45. See also 726.81 Mortuary chapels, 726.82 Tombs

.591 Approaches Entrances

Atrium, forecourt, porches (see also 726.592 Transeptal porches); narthex, vestibule, entrance hall, lobby, foyer, etc.

.592 Nave Transepts

Auditorium, aisles (see also 726.593 Chancel aisles), nave or main aisles; forenave; crossing; transeptal chapels (see also 726.595 Side chapels), transeptal porches (see also 726.591 Church porches in general); transept aisles and apses, etc.

.593 East arm Chancel

Choir and choir lofts; sanctuary, presbiterium; chancel aisles (see also 726.592 Church aisles in general); apse, rostrum, pulpit platform, triapsal end; parallel apses; ambulatory; periapse, chevet; retrochoir, etc.

.594 Bay design Ordinance

Ground arcade, triforium, clerestory

.595 Side chapels

Lady chapel, chantries, saints chapels, etc. See also 726.41 Chapels as separate buildings, 726.592 Transeptal chapels, 726.81 Mortuary chapels

.596 Sacristies, baptistries, etc.

Prothesis, diakonikon, cripts (see also 726.41 Cript chapels, 726.82 Cript tombs), etc. See also 726.43 Baptistries as separate buildings

.597 Towers

See also 725.97 Towers in general

726.6 Cathedrals

For forms and details see 726.5 Churches

.61 General questions

.62 Oriental

Armenian, Jacobite, Coptic, Nestorian

.63 Eastern Greek Russian

.64 Roman Catholic

.65 Protestant Episcopal

.68 Other

May be divided like 280 for denominations not provided for above

.69 Accessory structures

.691 Cloisters

See also 726.793 Cloisters as special buildings

.692 Chapter houses

.7 Conventual or monastic establishments

See also 726.97–.99 Buildings of religious associations

.71 General questions

.72 Abbeys

.73 Priories

.74 Friaries

.75 Nunneries Beguinages

.76 Cels

Monastic (Carthusian, etc.), ancorities, hermitage cels, hermitages. See also 726.795 Dormitory cels

.77 According to order or religion

Divided like 271.1–.98, using 726.7799 divided like 290 for nonchristian monastic establishments; lamasaries, viharas, etc.; e.g. 726.773 Franciscan, 726.7799432 Lamasaries

.78 Other topics

.79 Special buildings Accessory structures

See also 726.4 for Chapels, 726.5 Churches, 726.692 Chapter houses, 728.9 Outbuildings

.792 Abbot's or proir's lodgings

.793 Cloisters Ambulatories

See also 726.691 Cathedral cloisters

.794 Refectories Fraters

.795 Dormitories Cels

See also 726.76 Monastic cels in general

.796 Almonries

726.8 Mortuary buildings Sepulcral architecture

See also 718 Cemeteries, 730 Sculpture

.81 Chapels

Mortuary, cemetery, sepulcral chapels; undertakers chapels, funeral parlors; cemetery lodges. See also 726.41 Chapels as places of worship, 726.595 Chapels in churches

.82 Tombs Sepulchers

Burial places, graves; mausoleums, tomb-mosks (see also 726.2 Mosks in general); vaults, cripts (see also 726.41 Cript chapels, 726.596 Cripts in churches), charnel houses, ossuaries, church yard monuments, gravestones, cenotafs, memorial crosses, mural tablets, effigies, etc.; rock tombs (see also 726.84 Hypogeums, caves); sarcofagi. (See also 731.76 Sepulcral sculpture

.83 Crematories Columbariums Cinerariums

.84 Hypogeums Caves

Catacombs, tunnel tombs. See also 726.82 Rock tombs

.85 Pyramids, mastabas, etc.

.86 Mortuary shrines

Topes, dagobas, stupas. See also 726.42 Shrines in general

.87 Mortuary towers

Towers of silence, dakhmes, lanterns of the ded, cemetery beacons. See also 725.97 Towers in general

.88 Morgs Ded houses Mortuaries

.89 Other mortuary buildings

.9 Other religious buildings

See also 725.59 Buildings of general relief organizations

.91 Parsonages Rectories

Manse, vicarage, etc.

.92 Bishops and episcopal palaces

.95 Pilgrimage features Crosses Calvaries

.96 Lich gates

See also 728.91 Gate houses

.97 Buildings of Christian associations

Salvation army, Y M C A, Y W C A, etc. May be divided like 267, e.g. 726.973 Y M C A buildings. See also 726.7 Conventual or monastic establishments

.98 Missions

City missions, etc. See also 726.55 Mission or district churches

.99 Buildings of nonchristian religious associations

May be divided like 290, e.g. 726.996 Jewish

727 Educational and scientific buildings

For form divisions see Table 2 after Relativ index

SUMMARY

727.1	Schools (elementary)	.6	Museums Herbariums
.2	Secondary schools	.7	Art galleries Studios
.3	Colleges Universities	.8	Libraries
.4	Professional and tecnical schools	.9	Other educational and scientific buildings
.5	Laboratories Research establishments		

.1 Schools

Elementary schools, not including dormitory or boarding schools. Kindergartens, grammar schools, village schools, etc. Special rooms or buildings for such schools, study halls, recitation halls and clas rooms, assembly halls and auditoriums, teacherages and teachers rooms (for gymnasiums see 725.85, laboratories and shops 727.5, museums 727.6, libraries 727.8, outbuildings 728.9). Also schools for special classes of persons

.2 Secondary schools

Highscools, academies, seminaries (for theologic seminaries see 727.42), boarding schools

.28 Special rooms or buildings

Dormitories, dining halls, etc. See also note on special rooms under 727.1

.3 Colleges Universities

.31 General questions

.32–.35 may be divided like 378.152–.155

E.g. 727.343 Junior college buildings

.36 Women's colleges

.37 Men's "

.38 Special rooms or buildings

Society houses (for fraternity houses see 728.46), dormitories, dining halls, student commons, etc. See also note on special rooms under 727.1

.39 Other

.4 Professional and tecnical schools

Law, theology, etc. Divided like the whole classification, e.g. 727.42 Theologic seminaries

727.5 **Laboratories Research establishments**

Phisical, chemic, biologic, etc. Botanic and zoologic gardens, arboretums, etc. Divided like the whole classification, e.g. 727.552 Observatories

.6 **Museums Herbariums**

Divided like the whole classification, e.g. 727.65 Science museums. For art museums see 727.7. See also 069.2 Museum economy, 725.91 Exhibition halls

.7 Art galleries Studios

.71–.78 Types of galleries or museums

Divided like 710–780, e.g. 727.73 Sculpture galleries

.79 Studios

Divided like 710–780, e.g. 727.793 Sculptors studios

.8 **Libraries**

See also 022 Library buildings in Library science

.81 General questions

.82 " libraries

May be divided like 027, e.g. 727.824 Public libraries

.83 Special subject libraries

May be divided like the whole classification, e.g. 727.8361 Medical libraries

.84 Branch libraries

.85 Scriptoriums

.86 Delivery and deposit stations

.87 Reading rooms

May be divided like 022.5, e.g. 727.878 Children's. See also 727.829 Free reading rooms and newsrooms

.88 Special rooms and departments

May be divided like 022.6, e.g. 727.8822 Accession department

.89 Other

.9 **Other educational and scientific buildings**

.95 Learned society buildings

May be divided like the whole classification, e.g. 727.955 Scientific society buildings

.97 Buildings for adult education and self culture

Lyceums, community centers, continuation schools, night schools, institutes for encouraging self culture

728 Residences

See also in City planning 711.58 Residential centers, 711.667 Residences. For form divisions see Table 2 after Relativ index

SUMMARY

728.1	Tenements Cheap dwellings	.6	Village and country homes Bungalows
.2	Apartment buildings	.7	Chalets Seaside and mountain cottages
.3	City houses Mansions	.8	Country seats
.4	Club and secret society buildings	.9	Outbuildings Dependencies
.5	Hotels Ins		

.1 Tenement houses Cheap dwellings

.11 City homes of poor

.12 Country tenements for poor

See also 728.68 Farm cottages

.13 Workmen's tenements Cités ouvrières

Workmen's homes. See also 331.833 Workmen's dwellings in Economics, 728.68 Laborers cottages

.18 Temporary dwellings

.2 Apartment buildings

For apartments in store or office buildings see 725.22

.21 General questions

.22 Apartment houses Flats

Duplex, multiplex, etc.

.23 Apartment or family hotels

See also 728.5 Hotels

.24 Bachelors apartments

.25 Women's "

.27 Rooming, lodging and boarding houses

.3 City houses Mansions Palaces

See also 725.17 Rulers palaces

.31 Between party walls Stone Concrete

.32 Brick Ceramic materials

.33 Wood and other materials

.34 Semidetacht, including end houses in city blocks Stone Concrete

.35 Brick Ceramic materials

.36 Wood and other materials

.37 Detacht Stone Concrete

Including general discussions of mansions, etc. of these special materials

.38 Brick Ceramic materials

.39 Wood and other materials

728.4 Club houses Buildings for secret societies

.41 General questions

.42 Social clubs

.43 Country clubs

Golf, cricket, etc. clubs

.44 Young people's clubs

Boy scouts, Campfire girls, etc. May be divided like 369.4, e.g. 728.442 Boys club buildings

.45 Political clubs

.46 Secret societies Fraternal organizations

Masonic temples, Od Fellows halls, etc. Benefit, frendly or provident societies, burial societies, insurance fraternities, etc. Student organizations, chapter and society houses, etc. (see also 727.38 General and nonsecret college society houses)

.47 Hereditary and patriotic societies

.471–.472 may be divided like 369.1–.2

E.g. 728.471861 American legion buildings

.5 Hotels Ins

See also 728.23 Apartment or family hotels

.51 City hotels

.52 Resort hotels

Summer and winter resorts, etc. See also 725.75 Buildings for watering places and helth resorts, 728.71–.73 Chalets

.53 Country ins Caravanseri Khans

.54 Hostels Youth hostels

.6 Village and country homes Bungalows Rural architecture

Small dwellings in general. For country seats see 728.8

.61 Village dwellings; on small lots

.62 Stone

.63 Brick Ceramic materials

.64 Concrete Stucco

.65 Part masonry, part wood

.66 All wood

.67 Farm houses

.68 " cottages

Laborers cottages, country homes of poor. See also 331.833 Workmen's dwellings in Economics, 728.12 Country tenements, 728.13 Workmen's tenements, 728.74 Seaside and mountain cottages

.69 Other

728.7 Chalets Seaside and mountain cottages

Summer homes. See also 728.52 Resort hotels

.71 Chalets on plains

.72 Seaside chalets

.73 Mountain "

.74 Seaside and mountain cottages

See also 728.68 Farm cottages

.75 Hunting seats and boxes

Shooting boxes, hunting towers, hunt clubs

.76 Houses on wheels

Trailers, etc. From architectural standpoint only

.77 Houseboats

.8 Country seats

For small country homes see 728.6

.81 Castles (fortified)

.82 Chateaux (unfortified)

.83 Manor houses

.84 Villas

.9 Outbildings Dependences

SUMMARY

728.91	Porters lodges Gate houses	.96	Dairies
.92	Servants quarters Cabins	.97	Ice houses Cold storage buildings
.93	Kitchens Laundries	.98	Conservatories Greenhouses
.94	Stables Carriage houses Garages	.99	Other Garden houses, sheds, welhouses, etc.
.95	Barns Granaries Crop storage buildings		

.91 Porters lodges Gate houses

See also 725.975 Gate towers, 726.96 Lich gates

.92 Servants quarters Cabins

Bunk houses; quarters for gardeners, coachmen, gamekeepers, etc.

.93 Kitchens Laundries

Including accessory structures. Sculleries; larders, butteries, commissary rooms, food stores (see also 728.97 Cold storage buildings); smokehouses, curing sheds; washhouses; drying sheds

728.94 Stables Carriage houses Garages

.941 Horsestables

Private town, farm, club, breeders and trainers, sale, racing, etc. stables. See also 725.388 Livery stables

.942 Cattle, cow and dairy stables

Feeding, milking and calf sheds, shelters. See also 728.96 Dairies

.943 Sheep and goat stables Folds

Sheep sheds and racks, shearing sheds, etc.

.944 Hog houses Sties

Pig pens, piggeries

.945 Poultry and fowl houses

Henhouses, laying and hatching sheds, brooders, incubator houses; ostrich, pigeon and other bird houses and shelters; aviaries, etc.

.946 Kennels Hutches

Dog, fox and wolf kennels; catteries; rabbit, hare and guinea pig hutches, etc.

.947 Stables and shelters for other animals

Elefant stables, apiaries, silkworm sheds, etc.

.948 Accessory structures

Feed rooms (see also 728.95 Granaries, barns, silos, etc.), harness rooms, farrieries, horseshoeing sheds, veterinary rooms, live stock infirmaries (see also 725.59 Public animal hospitals), dung pits, etc.

.949 Carriage houses Garages

Coach houses, carriage and washing sheds (for temporary shelter), hangars. See also 725.381 Public garages, 725.39 Public hangars

.95 Barns Granaries Crop storage buildings

See also 728.948 Feed rooms, 728,97 Cold storage rooms

.951 General purpose barns

Barns including stables, carriage houses, machine sheds, etc.

.952 Silos

See also 728.948 Feed rooms

728.953 Barns for storing and processing field crops: grain, hay, roots, etc.

Granaries, corn cribs, hay and straw barns, root houses, hop dryers, etc. May be divided like 633, e.g. 728.9531 Granaries. See also 725.35 Commercial grain storehouses, 725.362 Grain elevators

.954 Barns for storing and processing fruits and nuts

Fruit houses, dryers, evaporators, etc. May be divided like 634, e.g. 728.95411 Apple packing sheds

.955 Barns for storing and processing garden crops

May be divided like 635, e.g. 728.95564 Tomato packing sheds. For crops represented in both 633 and 635 prefer 728.953

.956 Threshing and cleaning barns and sheds

.958 Wagon, implement and machine sheds

.96 Dairies

Combined dairy and icehouse, milk houses, creameries, butter dairies, cheese houses, cheeseries. See also 728.942 Dairy stables, 728.995 Spring houses

.97 Ice houses Cold storage houses

Refrigerator ice houses. See also 725.35 Public cold storage warehouses, 728.93 Larders, 728.95 Barns and crop storage buildings

.98 *Conservatories Greenhouses

Winter gardens, hothouses, orchid and palm houses; graperies, ferneries, cold houses, etc. For park greenhouses see 725.769. See also 716.3 Greenhouses in Landscape architecture

.99 Other

.991 Garden houses Pavilions

Summer houses, grottoes

.992 Privies

.993 Scale houses

.994 Sheds

Woodsheds, fuel sheds, etc. See also numbers for special sheds

.995 Wels Watersupply buildings

Welhouses, wel curbs; pump houses; windmil towers; watertanks and towers (see also 725.193 Public waterworks); spring houses (see also 728.96 Dairy houses)

729 Architectural design and decoration

Architectural details. Discussions of such details in particular buildings or types of buildings may be clast under numbers for those buildings or types. For design in general, theory, etc. see 745. See also 717.4 Design of structural elements in Landscape architecture, 744 Architectural drawing, 747 Interior decoration; also design of special types of buildings under special subjects, e.g. 022.34 Design of library buildings in Library economy. For form divisions see Table 2 after Relativ index

SUMMARY

729.1	Elevation Sections Façades	.6	Incrustation Veneering
.2	Plans Horizontal sections	.7	Mosaic
.3	Elementary forms (design)	.8	Ornamental glas design Window tracery
.4	Painted decoration	.9	Architectural accessories Fixt and built-in furniture
.5	Decoration in relief		

.1 Elevation Sections Façades

.11 Composition

.12 Distribution

Disposition, subdivision, grouping and division of masses, repetition, contrast

.13 Proportion

Harmony, balance, symmetry

.14 Light and shade

For projection of shadows and grafics of light and shadow see 515.63 and 515.7

.15 Perspectiv effect

.16 Axial and center lines

.17 Accenting Emfasis

.18 Sections Vertical sections

Longitudinal, transverse, diagonal, broken, obliique

.19 Other topics

.2 Plans Horizontal sections

.21 Elements required Composition

Types of plans: formal, informal, picturesk, block, ground, floor, roof (see also 729.35 Roof design), perspectiv. Setting and purpose of building. Rooms: number, size, shape, seating capacity, etc. Lighting (see also 729.384 Window design and fenestration). Acoustics

.22 Distribution

.23 Proportion

Harmony, balance, symmetry

.24 Sequence of rooms

.25 Circulation Communications

Horizontal: halls, corridors, etc. Vertical: placing of stairs, elevators, etc. (see also 729.391 Stair design)

.26 Axial lines Lines of vista

.27 Accenting

729.3 Elementary forms (design)

For construction of these forms see 721. See also 711.65 Architectural details in City planning, also general note under 729

.31 Walls Mural decoration

For special types of mural decoration see numbers for those types; for wall construction see 721.2

.311 General questions

.312 Types of walls

May be divided like 721.29, e.g. 729.3122 Partitions

.313 Pane work Paneling

Horizontal and vertical divisions, bay division

.315 Bases Courses

For scope see note under 721.25

.317 Entablatures Crowning courses

May be divided like 721.27, e.g. 729.3176 Parapets. See also 729.392 Stair parapets

.318 Moldings

.32 Columnar structures

For construction see 721.3

.321 General questions

Proportions; taper, entasis, etc.

For scope of following 3 heds see notes under 721.372–.374

.322 Piers Pilasters

.323 Columns Colonnets

.324 Posts

.325 Columniation Intercolumniation

Accouplement, coupld columns, etc.

.326 Orders

Classic orders (Greek, Roman): Tuscan, Doric, proto-Doric, Ionic, proto-Ionic, Corinthian, composit (see also 722.6–.8 Classic architecture). Atlantean, Caryatic, Telemonic or Persian orders; colossal, miniature and individual orders. The orders in special architectural stiles. Superimposition, supercolumniation, basement, attic, etc. orders

.327 Colonnades Pilastrades

For scope see note under 721.263. See also 729.392 Stair balustrades

.328 Columnar details and divisions

For scope see note under 721.38

.329 Other topics

.33 Arches Arcades

For scope of following subdivisions see notes under 721.41–.42

.331 General questions

.332 Arches according to form

Circular, pointed, poligonal, etc.

729.333 Arches according to architectural stiles
2–4 may be divided like 722–724, e.g. 729.333342 English Romanesque arches
.334 Arcades Arcuation
For scope see note under 721.262
.335 Arches according to position
.336 " " " function
.337 " " " construction
.338 Details Divisions
.339 Other topics
.34 Vaults Domes
For construction see 721.43–.47
.341 General questions
.342 Domes Cupolas
For scope see notes under 721.46–.47. See also 729.352 Domical and cupolated roofs

For scope of following subdivisions see notes under 721.43–.45
.343 Vaults according to form
Cylindric, pointed, poligonal, etc.
.344 Groind vaults
.345 Tunnel and expanding vaults
.346 Rib and fan vaulting
.347 Vaults according to construction
.348 Details Divisions
Drums, tambours; pendentivs; niches, mihrabs (see also 729.912 Altar tabernacles). Other details as in note under 721.428
.349 Other topics
.35 Roofs Roof structures
For construction see 721.5. See also 729.21 Roof plan
.351 General questions
.352 Forms
Gable, ridge, span or double-pitcht roofs (see also 729.37 Wall gables); domical and cupolated roofs (see also 729.342 Domes). For other forms included here see notes under 721.58–.597
.355 Roof openings Roof windows
May be divided like 721.55, e.g. 729.3553 Dormers
.356 Decorativ fixtures
May be divided like 721.56, e.g. 729.3564 Roof cornices
.357 Spires and other roof structures
May be divided like 721.57, e.g. 729.3573 Steeples; but clas domed or cupolated roofs in 729.352
.358 Chimneys
Various types: roof, wall, etc.; stack chimneys; chimney shafts, hoveling, pots, etc. For construction see 693 Masonry construction, 697.8 Smoke flues and chimneys

729.36 Towers

For construction see 725.97

.361 General questions

.363–.367 may be divided like 725.973–.977

E.g. 729.367 Turrets

.37 Gables Pediments

Wall gables. For scope see note under 721.28. See also 729.352 Gabld roofs

.38 Openings and their fittings

.381 General questions

.383 Doors

May be divided like 721.83, e.g. 729.3835 Posterns

.384 Windows

Fenestration, lighting. 3–8 may be divided like 721.843–.848, e.g. 729.3845 Oriels. See also 729.21 Lighting plans

.386–.389 Inclosures Gratings, guards Fastenings, etc.

Divided like 721.86–.89, e.g. 729.3866 Balconies

.39 Other

.391 Stairs Ramps

Elevators, escalators. For mathematics of stairbilding see 515.83. See also 694.8 Stairbilding, 717.88 Steps, ramps, perrons, etc. in Landscape architecture, 729.25 Plan of vertical circulation

.392 Stair balustrades and parapets Handrails

See also 729.3176 Wall parapets, 729.327 Colonnades

.393 Perrons

.4 Painted decoration

Painted ornament, policromy. See also 698.1 House painting, 729.7 Mosaic, 751 Painting

.41 Plant or vegetable forms

Natural and conventionalized forms; flowers, fruit, seed, stems, leavs, foliage, roots, etc.

.42 Animal and human forms

Natural and conventionalized

.422 Animal forms

.423 Human "

.424 Mythologic figures

.43 Grotesk forms Arabesks

Fanciful forms

.432 Grotesks

.433 Arabesks

729.44 Conventional and geometric forms
.45 Painted moldings
.46 " entablatures, crowning courses, panels
Painted architraves, friezes, corniees, attics, parapets, copings, fractables, etc. See also 729.483 Painted caissons, 729.485 Painted laeunars
.47 Painted columnar structures
May be divided like 729.32, e.g. 729.477 Painted colonnades
.48 Painted ceilings and archt structures
.481 General questions
.482 Arches Arcades
.483 Vaults Vaulted ceilings
Caissons; see also 729.46 Painted panels
.484 Domes Domed ceilings
.485 Nonvaulted ceilings
Laeunars; see also 729.46 Painted panels
.486 Archivolts
.487 Timpanums
.488 Details Divisions
For scope see notes under 721.428 and 729.348
.489 Other topics
.49 Other painted ornament
.492 Walls Mural painting
Bases, courses (for scope see note under 721.25); wall gables, pediments
.493 Roofs Roof structures
5–8 may be divided like 729.355–.358
E.g. 729.4938 Painted chimney pots
.494 Doors Windows Gratings
Guards, plates, seutcheons, fastenings, hinges, doorknobs, knockers, etc. See also 729.8 Ornamental glas
.495 Stairs Stairways Balustrades
1–3 may be divided like 729.391–.393
E.g. 729.4953 Painted perrons
.498 Special materials
May be divided like 691, e.g. 729.4981 Painted woodwork

729.5 Decoration in relief Tracery

Carvd and sculptured decoration and ornament. Divided like 729.4; e.g. 729.532 Gargoyles, 729.5987 Ironwork. See also 721.563 Roof reliefs, 729.88 Window tracery, 730 Sculpture, carving

.6 Incrustation Veneering

.61 Of exteriors

In brick, stone, marble, tiles, etc. May be divided like 691, e.g. 729.612 Stone

.62 Of interiors

May be divided like 691, e.g. 729.624 Tiles

.63 Inlay work

Intarsia, tarsia, sgraffito, marquetry, buhlwork, scagliola, etc. See also 729.7 Mosaic

.64 Niellowork

.65 Enamel decoration

See also 738.4 Enamels

.66 Damaskeening

.67 Veneering Burl work

.68 Lacker work

.69 Other

.7 Mosaic

See also 729.4 Painted decoration, 729.63 Inlay work, 729.85 Mosaic windows, 738.52 Mosaics in general

.71 Mosaic ceilings

.72 " walls

.73 " floors Parquetry

See also 721.66–.67 Floor coverings, 747.4 Floors in Interior decoration

.74 Other mosaic structures

Roofs, etc.

.75 Mosaic materials

Wood, glas, etc. May be divided like 691, e.g. 729.756 Glas

.76 Special mosaic designs

Sectil (cut in regular shapes), tessellated, checkerd, Alexandrian; vermiculated, cosmati work, Roman, Florentine, etc.

729.8 Ornamental glas design Window tracery

For tecnical processes see 666.1; history 748. See also 729.494 Painted windows

.81 Geometric staind glas windows
.82 Medallion " " "
.83 Canopy " " "
.84 Figure " " "
.85 Mosaic " " "

See also 729.7 Mosaic decoration in general

.86 Other kinds of staind glas
.87 Grisaille glas windows
.88 Window tracery Leded windows

Gothic; plate; bar; geometric; flowing or flamboyant; net or reticulated, branch, stump; perpendicular, etc. tracery. See also 729.5 Decoration in relief

.89 Other glas design

.9 Architectural accessories Fixt and built-in furniture

See also 749.4 Fixt furniture in Decorativ arts and design

.91 Sacramental furniture
.911 General questions
.912 Altars

High, side, etc. altars; altar tables, credences; communion tables. Details and divisions: mensa, altar slab or board; sepulcher, altar cavity, ambries; Easter sepulcher; tabernacle (see also 729.348 Niches); predella, altar steps and ledge; retable; altar desk, etc. See also 729.934 for Canopies, 729.962 Reredoses, 729.968 Altar rails

.913 Fonts Font basins

Font covers; baptismal fonts; benetiers, pilas, stoups, holy water basins

.914 Piscinas
.916 Confessionals
.917 Altar communion rails

See also 729.968 Communion rails in general

.92 Rostral furniture

Ambos, ambones; pulpits, tribunes, mimbars; lecterns, reading desks (see also 729.936 Reading stalls); clerks desks; prayer desks, priedieus, etc.

729.93 Seats Canopies
.931 General questions
.932 Dais
.933 Thrones
Ecclesiastic, bishops thrones; monarchic
.934 Canopies
Of solid materials only, not including those composed of textil fabrics. Baldachins, ciboria, peristeria, etc. See also 721.867 Canopy porches
.935 Stalls Common seats
Choir stalls (for clergy, acolites, choristers), miserere; sedilia, priests stalls, pews (see also 729.936 Reading pews), benches, theater and orchestra seats or stalls, etc.
.936 Reading stalls or pews
See also 729.92 Lecterns, 729.935 Pews in general
.937 Confessional boxes
.94 Buffets Cupboards
Sideboards; bars; built-in shelving, etc. for dishes, plate, books, etc.; dish and plate cupboards, bookcases
.95 Fireplaces
Mantels, chimney and mantelpieces, chimney hoods; mantel-shelvs and boards; chimney corners and seats, ingle nooks; hearths, hearthstones; overmantels, etc. For construction see 697.1
.96 Screens Railings Percloses
See also 721.292 Partitions, 721.875 Window screens
.961 General questions
.962 Ecclesiastic screens
Chancel, choir, sanctuary screens: rood screens, jubes, iconostases, haikal screens; altar screens; reredoses; pardon, organ, chapel, baptistry, etc. screens
.963 Mortuary and tomb screens
.964 Domestic screens
.968 Railings
Altar, chancel, communion, etc. rails (see also 729.917 Communion rails as parts of altars)
.97 Organ cases
.98 Lighting fixtures
Lusters, chandeliers; girandoles, candelabrums; wall brackets, sconces, appliqués, etc. See also 749.63 Artistic lighting fixtures in general design
.99 Other

730 Sculpture Plastic arts

See also 718 Cemeteries, monuments, 721.563 Roof reliefs, 726.8 Mortuary architecture, 729.5 Architectural decoration in relief, 745–749 Industrial decoration and design; also special applications, e.g. 712.35 Use of models and modeling in Landscape architecture. For form divisions see Table 2 after Relativ index

731 General questions

Materials, methods, etc.

SUMMARY

731.1	Composition Design	.5	Representation stiles and methods
.2	Materials Mediums	.7	Types of sculptured objects by purpose and form
.3	Equipment	.8	Subjects represented
.4	Tecnic		

.1 Composition Designs for sculpture

.2 Materials Mediums

Sculpture according to materials used. For ivory, bone, shel, etc. see 736.6, ceramic materials 738, metals 739

.21 General questions

.22 Wood

See also 694.6 Joinery, 736.4 Wood carving, 745.51 Wood work in Arts and crafts, 749 Artistic furniture

.23 Natural stone

May be divided like 553.5, e.g. 731.231 Marble. For pointing, stone cutting see 731.46, stone carving 736.5

.24 Artificial stone Concrete

.25 Plastic materials

.251 General questions

.252 Clay and similar earthy materials

Clay modeling. Plastilina, plastine; pâte plastique, plasticin; plaster; plaster of Paris, gesso duro, etc. See also 731.26 Earthy minerals, 738 Ceramic arts

.253 Wax Ceroplastics

Cire perdue, waste or lost wax process; wax figures, colord, costumed; paraffin, etc. See also 746.8 Wax work, wax flowers

.254 Snow

.255 Soap

Including soap carving

.256 Butter

.257 Salt, flour and water

.258 Papier maché

.259 Other

731.26 Earthy minerals

May be divided like 553.6, e.g. 731.263 Alabaster; but clas sculpture and modeling in clay and similar earthy materials in 731.252

.27 Composit sculpture

Sculpture in more than 1 type of material. Chriselefantin, gold and ivory (see also 736.62 Ivory work, 739.22 Goldsmithing); acrolithic, wood and stone; etc.

.28 Coloring materials

Colord sculpture; policrome sculpture; patina, patinating. For use of color by ancient classic sculptors see 733.128

.29 Other materials

.3 Equipment

Furniture: framework, irons, armatures, butterflies; clay-boxes, stools, stands, platforms, lights, etc. Tools: hammers, prizing tools, chisels, boasters, gouges, claw or tooth tools, round-nosed tools, sharps, etc. Machines; protectors, wrapping cloths, syringes; models, etc.

.4 Tecnic

For coloring see 731.28

.41 General questions

.42 Modeling

.43 Molding

.44 Stamping

.45 Casting

.46 Pointing Stone cutting

See also 736.5 Stone carving

.47 Firing Baking

.48 Restoration of sculptures

.49 Other

.5 Representation stiles and methods

.52 Stiles

Grotesk, idealistic, naturalistic, realistic, etc. Period and national stiles ar clast under period and country numbers, e.g. Classic 733, Gothic 734.25

.53 In the round

.54 Reliefs

High, half, low and hollow relief. Special applications of relief: portals, doors, friezes, monumental reliefs (see also 731.76 Monuments). See also 698.8 Relief work in building, 729.5 Architectural decoration in relief, 736 Carving

.7 Types of sculptured objects by purpose and form

.72 Decorativ uses

Vases (sculptured only; for vases in general see 738.38), etc. For candelabrums see 749.63

.73 Statues

May be divided like 704.94, e.g. 731.7332 Animal statues

731.74 Busts
.75 Masks
.76 Monuments

Public, religious, sepulcral: mausoleums, sarcofagi, effigies, incized slabs, gravestones (see also 726.82 Sepulcral architecture). See also 718.66 Monuments in cemeteries, 731.54 Monumental reliefs. For monumental brasses and bronzes see 739.51–.52

.8 **Subjects represented**

May be divided like 704.94, e.g. 731.86 Symbolic sculptures

732 Ancient sculpture

.1 **General questions**

Materials, methods, etc. May be divided like 731, e.g. 732.14 Tecnic

.2 **Primitiv**

See also 571.73 Sculptures in Archeology

.3–.9 **By country and period of origin**

.3–.6, .9 divided like 933–936, 939, e.g. 732.55 Ancient Persian sculptures: .7 Chinese, .8 Egyptian. For Greek and Roman sculpture see 733

733 **Classic or Greek and Roman sculpture**

.1 General questions

Materials, methods, etc. May be divided like 731, e.g. 733.128 Colord sculpture

.3 Greek sculpture

.31 General questions

Materials, methods, etc. May be divided like 731, e.g. 733.314 Greek sculptural tecnic

.38 By period and locality of origin

Divided like 938; e.g. 733.3805 Greek sculptures of the Peloponnesian war, 431–404 B.C., 733.385 Athenian sculptures

.5 Roman sculpture

.51 General questions

Materials, methods, etc. May be divided like 731, e.g. 733.514 Roman sculptural tecnic

.57 By period and locality of origin

Divided like 937; e.g. 733.5702 Sculptures of the Roman republic, 509–31 B.C., 733.575 Etruscan sculptures

734 Medieval sculpture

.1 **General questions**

Materials, methods, etc. May be divided like 731, e.g. 734.14 Medieval sculptural tecnic

734.2 **Stiles**
.24 Romanesque
.25 Gothic
.4–.9 **Clast by country and period of origin**
Divided like 940–999, e.g. 734.4202 English sculpture during the Norman period, 1066–1154

735 Modern sculpture

.1 **General questions**
For materials and methods see 731
.2 **Stiles**
May be divided like 724, e.g. 735.21992 Baroque sculptures
.4–.9 **Clast by country and period of origin**
Divided like 940–999, e.g. 735.42081 English Victorian sculptures

736 Gliptics Carving

For soap carving see 731.255, coins and medals 737. See also 417 Inscriptions, 731.54 Reliefs, 739.2 Work in precious metals, 745–749 Industrial decoration and design

SUMMARY

736.1	General questions	.6	Ivory, horn, bone, etc. carving
.2	Gems	.7	Fans, carving and painting
.3	Seals Stamps Signets	.8	Hallmarks
.4	Wood carving	.9	Other
.5	Stone "		

.1 **General questions**
Carving of special objects, etc.
.2 **Gems**
Cameos, intaglios, scarabs, jade, jet, etc. Special stones: diamonds, rubies, etc.
.3 **Seals Stamps Signets**
See also 929.8 Coats of arms, crests
.31 General questions
.32 Materials
.33 Equipment
.34 Tecnic
Designs, dies, diesinking, matrix, seal and counterseal, obverse and reverse, impression, etc.
.36 Seals clast by form
Disk, cylinder, etc.
.37 Seals clast by institutions or persons
Seals of chief rulers: sovrens, presidents, etc. Feudatory, national, state or local seals. Seals for special occasions; of organizations, corporations, civil and religious societies; personal seals, etc.

736.4 **Wood carving**

Scroll work. See also 731.22 Wood sculpture, 745.51 Wood work in Arts and crafts, 749 Artistic furniture

.46 Pyrografy

Including pyrografy on lether. See also 745.53 Artistic lether work in general

.5 **Stone carving**

See also 731.23 Natural stone sculpture in general, 731.46 Stone cutting

.6 **Carving of ivory, horn, bone and similar materials**

See also 745.55 Ivory, etc. in Arts and crafts

.61 General questions

.62 Ivory

See also 731.27 Chriselefantin work

.63 Horn

.64 Bone

.65 Shel

.67 Amber

.68 Netsukes

.7 **Fans, carving and painting**

See also 391.4 Costume accessories

.8 **Hallmarks**

See also under special materials, e.g. 738.88 Potters' marks

.9 **Other**

737 Numismatics Medals Coins

Artistic and historical aspects. See also 332.4 Coins and coinage, as money, 351.822 Coinage and money in legislation, 417 Epigrafy, 736 Gliptics, seals, 745–749 Industrial decoration and design, 760 Engraving

SUMMARY

737.1	General questions		.3	Counters	Tokens
.2	Medals	Medallions	.4	Coins	

.1 **General questions**

.2 **Medals Medallions**

Objects of art commemorativ of an event, fact or individual. Decorations; military medals (see also 355.134 Military insignia); medals of award: prizes, competitiv, shooting, school and scholarship medals, etc.; medals, plaques or insignia establishing identity of agents, professional medals, lodge insignia; talismans, amulets, curativ medals, etc.

737.3 **Counters Tokens Jettons**

Counters or markers ar money of account. Fees of presencc. Mint counters or tokcn money. Legal tender. May be divided likc 737.,4 c.g. 737.34 Tccnic, dcsigning, etc.

.4 **Coins**

.41 General questions

.42 Coins clast by material

Iron and steel, precious metals, etc.; wood, lether and other nonmetallic money

.43 Equipment

Tools, machines, dics

.44 Methods of manufacture Tecnic

Designing. Casting. Repoussé process. Coining or minting. Valuation and rating of bullion, recovery of values from mint 'sweep', assaying melted bars, pixing, telling, etc.

.46 Coins clast according to size and pattern

Size, weight, shape, type or device, legend, inscription, etc.

.47 Coins clast according to issuer or use

Siege or obsidional money; coins of religious orders, bishops, etc.; cxport money, coins used as ornaments, etc. For scope of this number sce 736.37

738 Ceramics Porcelain Pottery

Clas here only studies relating to the art; tecnologic studies on ceramics ar clast in 666. See also 571 Prehistoric archcology, 731.252 Clay modeling, 745–749 Industrial decoration and design

SUMMARY

738.1	General questions	.5	Mosaics Ornamental stones
.2	Porcelain Chinaware	.6	Baked clay Terra cotta
.3	Pottery Stoneware	.8	Special ceramic objects
.4	Enamels		

.1 **General questions**

.12 Ceramic materials

General discussions

.13 Equipment Tools

.14 Tecnic Processes

Modeling, casting, glazing and enameling (see also 738.4 Enamels), firing, baking, etc.

.15 Decoration

Ceramic painting (see also 751 Painting in general) photoceramics, transfer printing; graffito decoration; slip or barbotin decoration, etc.

738.2 Porcelain Chinaware

Dishes, tableware, etc.

.21 General questions

.212–.214 like 738.12–.14

E.g. 738.214 Tecnic

.22 Decoration

China painting, etc.

.23 Biscuit or unglazed ware

.24 Glazed

.25 Hard

.26 Soft

.27 Special varieties

Armorial china, Dresden or Meissen, Sèvres, etc.

.28 Special articles

.29 Other topics

.3 Pottery Stoneware Earthenware

.31–.32 like 738.21–.22

E.g. 738.32 Pottery painting

.33 Stoneware Grès

Vitreous or salt glazed, etc.

.34 Earthenware Crockery

Soft: unglazed, lustrous; hard: glazed (led, ledless), enameld (see also 738.4 Enamels)

.37 Special varieties

Delft, Faience, Majolica, Wedgwood, etc.

.38 Special articles

Jars, jugs, pitchers, vases (Portland vase), etc. Use as general number for vases. Vases may also be clast by process (e.g. 731.72 Sculptured vases), by material (e.g. 738.28 China vases), by use (e.g. 749.75 Vases as artistic furniture), etc.

.4 Enamels

See also 729.65 Architectural decoration in enamel, 738.14 Enameling, 738.34 Enameld earthenware

.41–.42 like 738.21–.22

E.g. 738.42 Painting enamel ware

.43 Opaque enamels

Champlevé, incized, Cloisonné, etc.

.44 Basse-taille Transparent enamels

.45 Incrusted or inlaid enamels

Miniature enameling

738.46 Enameld lava, slag or scoria
.47 Special varieties
.48 " articles
.49 Other topics
.5 **Mosaics Ornamental stones**
.52 Mosaics
See also 729.7 Use of mosaics in Architecture
.53 Ornamental stones
.6 **Baked clay Terra cotta**
Artificial stone. For clay modeling see 731.252
.62 Ornamental brick
.63 " tile
Ornamental casings, storied and pictorial tiles
.8 **Special objects in pottery and ceramics**
.82 Ceramic stoves
.83 " lighting fixtures
Lamps, candlesticks, etc. See also 749.63 Artistic lighting fixtures in general
84 Ornamental ceramic figures
Statuets, Tanagra figurines, etc.
.85 Ceramic braziers
.88 Marks (potters' marks)

739 Metal arts Bricabrac

See also 671 Metal manufactures, 745–749 Industrial decoration and design

SUMMARY

739.1	General questions	.4	Ironwork
.2	Work in precious metals	.5	Other metalwork
.3	Artistic horology	.7	Armor work
		.8	Bricabrac

.1 **General questions**
.13 Equipment Tools
.14 Tecnic Processes
Modeling, metaloplasty, molding, stamping, casting, forging

739.15 Decoration

Coloring, painting, enameling; hammering, beating, repoussé; chasing, incrusting, niello, etc.

.18 Special articles

.2 Work in precious metals

See also 671 Precious metals manufactures, 736 Gliptics

.21 General questions

.212 Alloys and other materials

.213–.215 like 739.13–.15

E.g. 739.215 Decoration

.217 Special varieties

Sheffield, etc.

.218 Special articles

2 Religious, ecclesiastic articles

See also 247 Sacred vessels and ornaments

3 Tableware Plate

4 Receptacles

Boxes, cups, vases, etc.

8 Marks

Each of following, 739.22–.24, may be divided like 739.21, e.g. 739.2283 Gold plate

.22 Goldsmithing

See also 731.27 Chriselefantin work

.23 Silversmithing

.24 Platinum work

.27 Jewelry

Rings, necklaces, pendants, bracelets, brooches, clasps, chains, earrings, diadems, aigrets, crescents, garter buckles, mounted stones and perls, etc. May be divided like 739.1 with 739.272 Materials: alloys, etc. See also 391.7 Jewelry as costume

.3 Artistic horology

Artistic watchcases, pendulums, chimney or mantle clocks. May be divided like 739.1 & .27; e.g. 739.32 Materials, 739.35 Decoration. See also 681.11 Watch and clock making, 749.74 Artistic clock cases

Numbers for each of the following types of metal work in 739.4–.58 may be divided like 739.21; but note special subdivisions under Copper work 739.51–.52 and Tin and pewter 739.53, each of which may be divided like 739.21; e.g. 739.45 Decorativ hammering of ironwork, 739.5125 of art bronzes

739.4 **Ironwork**

Ornamental work with iron, cast or wrought, and steel. Forging, beating, hammering. Grils, doors, balcony motifs, imposts, knockers, balustrades, ornamental nails, etc. See also 672 Iron and steel manufactures

.5 **Other metals**

.51 Copper work Copper ware

.511 General questions

.512 Art bronzes

Cases and boxes, settings for furniture, toilet articles, etc.; glided bronzes

.52 Bras Bras ware

Monumental bras

.53 Tin Pewter

.532 Tin ware

.533 Pewter ware

.54 Led work

.55 Zinc "

.56 Nickel

.57 Aluminum

.58 Chromium

.59 Other

.7 **Armor work**

Arms and armor. Ancient armor. Trofies of arms. From point of view of ornamentation of arms only. For manufacture see 623.4 and 683; for use see 355. See also 399 War customs

.71 General questions

.72 Side arms

Sabers, swords, daggers, lances, poignards, dirks, bayonets, etc.

.73 Missal wepons

Crosbow, longbow, arrows, etc.

.74 Firearms

Portable or light: muskets, guns, pistols, revolvers, etc.; nonportable or hevy: artillery, cannon, howitzers, etc.

.75 Defensiv arms

Armor, cuirass, helmet, shield, etc.

.8 **Bricabrac**

Art curiosities and knick-knacks; ephemeral art objects

740 Drawing Decoration Design

See also special applications, e.g. 659.1323 Pictorial advertizing. For form divisions see Tablc 2 after Relativ index

741–744 Drawing

See also 751 Painting

741 Freehand drawing Illustration Caricatures Cartoons

Collections on any subject go with that subject with reference from 741

SUMMARY

741.1	General questions	.6	Illustration Drawing for reproduction
.2	Mediums Drawing instruments	.7	Sketching Chalk talks Silhouets
.3	Equipment	.8	Other topics
.4	Tecnic	.9	Collections of drawings
.5	Caricatures		

.1 General questions

.2 Mediums Drawing instruments

Including under each methods of use

.21 General questions

.22 Charcoal

Charcoal and color, carbon pencil and chalk, stump drawing

.23 Chalk Crayon

Black, white, colord, pastels, sanguin or red, etc.

.24 Led pencil Plumbago

.25 Silver point

.26 Pen and ink

.27 Watercolor drawing Monocromes

.28 Direct oil drawing

.29 Other

.3 Equipment

Drawing surfaces, papers, bristol boards, etc.; erasers; coloring materials, pigments, watercolors; fixativs; furniture, drawing boards, supports, easels, boxes and cases for drawings, etc.; drawing accessories

.4 Tecnic

For perspectiv see 742, art anatomy see 743. But clas here discussions of tecnic in general. See also 751.4 Painting tecnic

.41 General questions

Elements, fundamentals. Good taste, appropriate medium, mood and character of subject to be exprest, etc.

.42 General drawing methods

Drawing from nature, models and their use; drawing from imagination; use of photografs, etc.

741.43 Composition
.431 General questions
.432 Balance Proportion Symmetry
Obvious, occult, etc.
.433 Sequence Rithm
Of continuation or repetition, of alternation, of graduation or progression, etc.
.434 Harmony
By continuation, repetition, recurrence; by value contrasts; by color contrasts and intensities; by mesure, shape, variety, etc.
.44 Line Outline
Straight lines, angles, curvs, spirals, etc. Freehand drawing of natural forms; drawing and modeling of solid objects: in line, silhouet (for silhouets in general see 741.7), shade and shadow, local color and surface, etc. For figure drawing see 743
.45 Light and shade Chiaroscuro
Effect on artist's conception. Characteristics of objects: light, chromatic and achromatic sensations, brightness, high lights. Reflections and reflecting power. Shadow and cast shadow, shadow projection. Values, mesurement of brightness, influence of color, light and color values, etc. See also 742 Perspectiv
.5 Caricatures Cartoons
Grotesk and satiric drawing. Mediums, methods. Types: political, etc. For special purposes: newspapers, magazines, books, etc. Caricatures and cartoons of special individuals ar preferably clast in biografy 920. See also 741.6 Drawing for reproduction; also special applications, e.g. 659.1323 Cartoons in Advertizing
.58 Moving picture cartoons
See also 778.58 Drawn moving picture films
.6 Illustration Drawing for reproduction
See also 741.5 Caricatures, cartoons, 744.5 Reproduction of drawings
.61 General questions
Principles, elements
.62 Clast by mediums
May be divided like 741.2, e.g. 741.626 Pen and ink illustration
.63 Clast by subject
May be divided like 704.94, e.g. 741.634 Buildings
.64 Book illustration
.642 Children's books
.644 Book covers
.65 Magazine illustration
.66 Newspaper "

741.67 Commercial advertizing Posters
See also in Advertizing 659.1323 Illustrations, 659.134 Posters
.68 Greeting cards, calendars, etc.
.69 Other topics
.7 **Sketching Chalk talks Silhouets**
Blackboard drawing
.8 **Other topics**
.9 **Collections of drawings**
.91 By artist
.92 " school
.93–.99 by place and time of origin, divided like 930–999
E.g. 741.9732 Collections of American colonial drawings

742 Perspective Scenografy
See also 515.6 Perspectiv geometry, 741.45 Light and shade, 744.45 Projections
.1 **General questions**
Picture-plane, perspectiv plane or plane of delineation; reference points, etc.
.2 **Plane perspectivs**
For pictures on flat surfaces
.3 **Curvilinear perspectivs**
For pictures on curvd surfaces. Cylindric or panoramic perspectivs (for pictures on concave surfaces), spheric perspectivs
.4 **Linear and conic perspectivs**
Parallel or 1-point, angular or 2-point, diagonal, oblique or 3-point perspectivs
.5 **Aerial perspectiv Skiagrafy**
.6 **Distortions and corrections**
.8 **Special viewpoints**
Bird's-eye perspectiv, etc.

743 Art anatomy Life school Figure drawing
For tecnic of line and outline see 741.44. See also 573.6 Anthropometry, 611 Anatomy in general, 757 Painting of human figure
.1 **General questions**
.2 **Action in art Pose Expression**
.3 **Types of representation**
Actual (represents subject exactly); schematic; ideal conception or figure (constructed from mean proportion of several types)
.4 **Human body**
.41 General questions
Proportions of human body
.42 Racial studies
.43 Men
.44 Women

743.45 Children
.46 Skeleton
.47 Muscular system Ecorché
.49 Parts of the body
Regional anatomy. May be divided like 611.9, e.g. 743.491 Hed

.5 Draperies

.6 Animal life

.61 General questions
Proportions, skeleton, muscular system, etc.

.62–.69 Special animals
Divided like 592–599, e.g. 743.682 Birds

.7 Plant life

.71 General questions
.72 Trees
.73 Fruit Berries
.74 Vegetables
.75 Grains Seeds
.76 Flowers
.77 Weeds
.78 Special plants
.783–.789 may be divided like 583–589, e.g. 743.78337 Roses

.79 Special parts of plants
Leavs, stems, roots, etc. May be divided like 581.49, e.g. 743.797 Leavs

744 Mathematical and scientific drawing Mecanical drawing

Instructions for architectural and mathematical drawings, with demonstrations (if any) subsidiary. See also 515 Descriptiv geometry and projections (which prefer for textbooks with mathematical demonstrations in scientific order), 621.71 Drafting room in Engineering

SUMMARY

744.1	General questions	.4	Procedure Tecnic
.2	Drafting studios	.5	Reproduction of drawings
.3	Furniture Instruments Materials	.8	Storage Preservation and protection

.1 General questions

.2 Drafting studios
Location and arrangement; organization and routing of work; drafting studio practis

744.3 **Furniture Instruments Materials**

Drawing boards, tables; compasses and dividers, drawing pens and pencils, rulers, squares, triangles; instruments for drawing curvd lines: ellipsograf, French curvs, splines, etc. Universal drafting machine, pantagraf or pantograf, omnigraf, scales, protractors. Paper, inks, erasers, shields, soapstone and other accessory materials for linear drawing design

.4 **Procedure, methods and conventional rules of drafting**

.41 General questions

.42 Types of mathematical and scientific drawing

Sketches; mecanical, architectural, structural, working and contract drawings; display and competitiv drawings, etc.

.428 Map drawing

Topografic maps, etc. Scale, north-point, etc. See also 526.8 Map projection

.43 Special procedure and methods of executing drawings

Rules and conventions for using different strokes and colors. Rules of procedure, representation, dimensioning, specifications, lettering, titling, checking, etc.

.44 Instructions in execution, mounting, etc.

.45 Projections

Orthografic, isometric, oblique, cavalier, cabinet, clinografic, spheric, etc. For perspectiv projections see 742. See also 515 Descriptiv geometry

.5 **Reproduction of drawings**

See also 741.6 Drawing for reproduction

.51 General questions

.52 Tracings for reproduction

.53 Mecanical means of reproduction

See also 778.12 Direct and camera copying

.532 Blueprints

Blueprint reading. See also in Photografy 772.22 Blueprint processes

.533 Photostats

.54 Reduction

.55 Enlargement

.58 Corrections on reproductions

.8 **Storage Preservation and protection**

Files for drawings, tracings, reproductions; frames and protectiv coverings; etc. See also 025.177 Library treatment of art material

745–749 Industrial decoration and design

Clas here discussions dealing with these subjects from artistic side in a general way or when not more specifically provided for elsewhere. See also in Relativ index references under Decoration, Furniture, Lighting. For related material see

090	Book rarities	730	Sculpture
391	Costume	736	Gliptics
600	Industrial arts	737	Numismatics
652	Writing	738	Ceramics
655	Printing and publishing	739	Metal arts
		760	Engraving
720	Architecture	790	Amusements Hobbies

SUMMARY

745	Arts and crafts Design		
.1	General questions	.6	Ornamental lettering Heraldic design
.2	In industry		
.3	" the home	.7	Transfer pictures
.4	Design	.8	Composit representations
.5	Arts and crafts by materials used	.9	Other
746	Fanciwork Art needlework		
.1	General questions	.5	Beadwork
.2	Laces Tulles	.6	Batik
.3	Art tapestry Hangings	.7	Handmade rugs
		.8	Wax work
.4	Needlework	.9	Other
747	Interior decoration		
.1	General questions	.5	Upholstery Draperies
.2	By country and period Stiles	.6	Furniture
		.7	Of special rooms
.3	Ceilings Walls	.8	" " buildings
.4	Floors Floor coverings	.9	Special decoration, etc.
748	Glas Windows Mirrors Cristal		
749	Artistic furniture Fixtures Ornaments		
.1	General questions	.5	Special ornamental work
.2	Stiles by country and period	.6	Heating and lighting fixtures
.3	Special articles of furniture	.7	Ornaments
.4	Fixt furniture		

745 Arts and crafts Design

Comprehensiv title for arts of decorativ design and handicraft; all those which, in association with mother craft of building, go to making of the house beautiful. See also 747 Interior decoration; also special applications, e.g. 659.1324 Design in Advertizing

.1 General questions

Arts and crafts movement; revival of decorativ art

.2 Arts and crafts in industry

According to kind of work. May be divided as far as practicable like the whole classification, e.g. 745.2671 Arts and crafts in metal manufactures

745.3 **Arts and crafts in the home**

According to kind of work. May be divided as far as practicable like the whole classification, e.g. 745.3671 Metal arts and crafts in the home. See also 746 Fanciwork

.4 **Design**

.41 General questions

.42 Pure design

General principles, elements, composition

.43 Applied and decorativ design

General principles, elements, composition

.44 Stiles

Various motifs: arabesk, fantastic, geometric, grotesk, etc. Various cultures: primitiv, Jewish, Mohammedan, etc. Schools or periods: rococo, etc.

.5 **Arts and crafts clast by material used**

See also 635.9663 Use of flowers as ornamentation, 738 Ceramics, 739 Metal arts in general

.51 Woodworking

Cabinet work, marquetry, inlaying, mosaic (see also 747.33 Mosaic work in interior decoration), lackerd wood (see also 667.7 Lacker), etc. See also 674 Lumber manufactures, 684 Carriage and cabinet making, 694.7 Ornamental joinery, 731.22 Wood sculpture, 736.4 Wood carving, 736.46 Pyrografy, 749 Artistic furniture

.52 Textil arts

May be divided like 677 Textil manufactures; e.g. 745.5276 Passementerie. See also 745.58 Basketry, 746 Laces, tulles, tapestry hangings, batik, handmade rugs

.53 Lether Fur

Cordovan and furniture lethers; chased, embost, gofferd, gilded, etc. lethers; morocco work, etc. See also 675 Lether and fur manufactures, 685 Saddlery, shoemaking, etc., 686 Bookbinding, 736.46 Pyrografy

.537 Fur

.54 Paper

Decorated and painted papers, furniture papers, hanging or wall papers (see also 747.35 Wall coverings). Objects of paper and paper pulp. Artistic watermarks. For bookplates see 097. See also 676 Paper manufactures

.55 Ivory, horn, bone, shel, etc.

See also 736.6 Gliptics

.56 Metals

See also 671 Metal manufactures, 739 Metal arts in general

.57 Rubber and similar products Celluloid

See also 678 Rubber manufactures, 679 Celluloid manufactures

.58 Basketry

Raffia work, etc. See also 677.543 Basket weaving industries, 745.52 Textil arts

.59 Other

745.6 **Ornamental lettering Heraldic design**
Alfabets, cifers, monograms. See also 751 Painting
.66 Heraldic design
See also 929.6 Heraldry
.67 Manuscript illumination
See also 091 Manuscripts
.7 **Transfer pictures Decalcomania**
See also 747.94 Stencil decoration, 751 Painting
.8 **Composit representations**
Cycloramas, etc. See also cosmoramas, cycloramas, dioramas, panoramas in Relativ index
.9 **Other**

746 Fanciwork Art needlework
See also 745.3 Arts and crafts in the home, 745.52 Textil arts
.1 **General questions**
.2 **Laces Tulles**
See also 677.65 Lace and tulle manufactures
.3 **Art tapestry Hangings**
Cartoons for tapestries. Hangings of churches, museums, public buildings, etc. Bayeux, Gobelin, etc. tapestries. See also 677.64 Tapestry manufactures, 747.35 Wall coverings, 751 Painting
.4 **Needlework**
For basketry, raffia work see 745.58. See also 646.2 Domestic economy
.41 General questions
.42 Sewing Smocking
.43 Knitting Crochet Tatting
For crocheted rugs see 746.73
.44 Embroidery
Stitches, stamping designs. Cutwork, crewel work, drawnwork, hardanger, skeleton leavs, etc.
.444 Ecclesiastic embroidery
See also 247.7 Religious vestments, etc.
.445 Samplers
.45 Appliqué
.46 Ornamental quilting
.47 " patchwork
.48 Couching
.49 Other
.5 **Beadwork**
For passementerie see 745.5276
.6 **Batik**
.7 **Handmade rugs**
For artistic rugmaking in general, including oriental rug see 745.52 (745.52643)
.71 General questions
.72 Handwoven

746.73 Crocheted
For art crocheting in general see 746.43
.74 Hookt Puld
.8 **Wax work Wax flowers**
See also 731.253 Sculpture in wax
.9 **Other**

747 Interior decoration

See also 643–645 Home plan and furnishings in Home economics, 651.24 Office furnishings and decoration, 729 Architectural design and decoration, 745 Ornamental design, 749 Artistic furniture, 751 Painting

.1 **General questions**
.2 **Interior decoration by country and period**
Stiles
Divided like 749.2, e.g. 747.211 American colonial interiors
.3 **Ceilings Walls**
.31 General questions
.32 Decorativ painting
Distemper, encaustic, frescoes, fretwork, policrome, etc. See also 751.73 Mural painting tecnic
.33 Woodwork Paneling Mosaic work
See also 745.51 Artistic woodwork and mosaic in general
.34 Friezes, moldings, etc.
.35 Wall coverings
Wall paper, tapestry. See also 745.54 Wall paper design, 746.3 Tapestry hangings in general
.4 **Floors Floor coverings**
See also 729.73 Mosaic floors
.42 Rugs Carpets
As elements in interior decoration
.5 **Upholstery Draperies**
Door and window furnishings; curtains, shades, etc. See also 747.6 Furniture in interior decoration, 749 Artistic furniture
.6 **Furniture**
In interior decoration only; for artistic furniture design see 749. See also 747.5 Upholstery
.7 **Decoration of special rooms**
May be divided like 645.6 Home furnishing, e.g. 747.77 Bedroom decoration
.8 **Decoration of special buildings**
Public buildings, churches, schools, etc.
.85–.88 may be divided like 725–728
E.g.747.86 Church decoration
.9 **Special decoration, etc.**
.92 Decorativ lighting Illumination
.93 Decoration for special occasions
Decoration with flowers in a church for weddings, funerals, etc.; decoration of a hall for a special event, etc.
.94 Stencil decoration
See also 745.7 Transfer pictures

748 Glas Windows Mirrors Cristal

Art of glaswork, glaziers art. See also 666.1 Glasmaking, 698.5 Glazing

.1 **General questions**

.2 **Prest glas**

.3 **Cutglas**

.4 **Painted and iridescent glas Favrile glas**

.5 **Staind glas in art Leded Mosaic**

See also 729.8 Use of staind glas in architecture

.6 **Etching on glas**

See also 767.2 Etching in general

.8 **Special articles of glas**

749 Artistic furniture Fixtures Ornaments

See also 645.4 General furniture in Domestic economy, 684 Furniture manufacture, 731.22 Wood sculpture, 736.4 Wood carving, 745.51 Arts and crafts in wood, 747 Interior decoration

.1 **General questions**

.2 **Stiles by country and period**

Including reproductions and revivals. For history and local treatment use 749.09 divided like 930–999

.21 American United States

.211 Colonial Early American –1800

.212 19th century

.213 20th "

.22 English

.221 Early English –1603

English Gothic (see also 749.241 Gothic in general) and Renaissance (see also 749.25 Renaissance in general); Tudor, Elizabethan

.222 Stuart 17th century 1603–1714

Jacobean, Commonwelth, Carolean, Restoration, William and Mary, Queen Anne

.223 Georgian 18th century 1714–1830

Adam brothers, Chippendale, Heppelwhite, Sheraton, etc.

.224 Victorian 19th century 1830–1901

.225 20th century

.23 German Austrian

.24 French

.241 Early French –1515

Gothic (clas here general works on Gothic furniture; see also 749.221 English Gothic, etc.); Louis 12

.242 French renaissance 1515–1610

16th century, Francis 1, Henry 2–4. See also 749.25 Renaissance in general

.243 17th–18 centuries

Louis 13–16; French baroque and rococo; Regency; Directoire

749.244 19th century
Empire, Napoleonic
.245 20th century
.25 Italian
Renaissance; clas here general works on renaissance furniture (see also 749.221 English renaissance, 749.242 French renaissance, etc.)
.26 Spanish Portuguese
.27 Slavic Russian
.28 Scandinavian
.29 Other
Divided like 930–999; e.g. 749.2937 Roman, 749.29493 Flemish
.3 **Special articles of furniture**
.31 Chairs Footstools
.32 Couches Settees Sofas Lounges
.33 Tables
.34 Desks
.35 Screens
.36 Beds
.37 Cushions, pillows, etc.
.38 Coffers Chests Trunks
.39 Other
.4 **Fixt or built-in furniture**
See also 729.9 Fixt furniture in Architecture
.5 **Special ornamental work**
Lacker work, marquetry, inlay, buhlwork, scrollsawing, fretwork, etc. See also 745.51 Artistic woodwork in general
.6 **Heating and lighting fixtures**
See also Heat, light, ventilation in Domestic economy 644, in Industrial plants 658.24–.25; 697 Heating and ventilation in Building construction, 739 Metal arts
.61 General questions
.62 Heating fixtures
Fireplaces, inglenooks, mantels, radiators, stoves, etc.
.63 Lighting fixtures
May be divided like 644.32, e.g. 749.636 Chandeliers. See also 738.83 Ceramic lighting fixtures, 729.98 Lighting fixtures in architecture
.7 **Ornaments**
.71 General questions
.72 Picture frames and framing
.73 Pictures
.74 Clock cases
See also 739.3 Artistic horology
.75 Vases
For vases in general see 738.38
.76 Statuary
See also 730 Sculpture

750 Painting

For form divisions see Table 2 after Relativ index

751 General questions

Materials, methods, etc. See also 729.4 Architectural painted decoration, 741–744 Drawing. See also in Relativ index entries for special articles, e.g. China painting

SUMMARY

751.2	Materials	.5	Reproduction
.3	Equipment	.6	Preservation
.4	Tecnic	.7	Object and form of paintings

.2 Materials

Including under each discussions of suitability and special problems of use

.21 General questions

.22 Surfaces Grounds

.221 General questions

.222 Wood Panels

.223 Stone Concrete Plaster

.224 Metals

May be divided like 669, e.g. 751.2241 Iron, steel

.225 Ivory, bone, horn, shel, etc.

.226 Ceramic materials Glas, etc.

May be divided like 666.1–.7, e.g. 751.2261 Glas

.227 Textils Canvas Fabrics

May be divided like 677, e.g. 751.2274 Silk

.228 Paper, etc.

Papirus, parchment, vellum, cardboard

.229 Other

.23 Pigments Paints

For tecnic of use see under 751.4 Water color, distemper, oil, etc. painting. For charcoal, crayons, pastels see 741.2 Drawing mediums. See also 667.6 Paint manufacture, 752 Color and coloring

.231 General questions

.232 Water-colors

Various forms and types: cakes, pastils, tubes; gouache and body colors, etc.

.233 Distemper or tempera colors

.234 Colord inks

India ink, sepia, etc

.235 Oil-colors

.236 Encaustic or wax colors

.238 Individual pigments

Source, preparation, chemistry, durability, etc. See also 752.8 Individual colors

751.24 Mediums Vehicles

.241 General questions

.242 For water colors and distemper

Honey, levulose, glicerin, glue, gums, dextrin, starch, flour, paste, curds, casein, eg (yolk, vitellin; white, albumin), etc.

.243 Waterglas

.244 For fresco grounds

Lime water, barita water, etc.

.245 For oil and wax colors

Oils: animal, mineral, vegetable (linseed oil, nut oils, etc.), (see also 751.247 Oils as solvents and diluents); waxes: beeswax, Chinese wax, paraffin wax, etc.; resins (see also 751.25 Varnishes)

.247 Solvents Diluents

Water. Oils: turpentine oils; terpenes, oils of lavender, eucaliptus, lemon, orange, rosemary; petroleum, benzene, benzol, toluene, etc. (see also 751.245 Oils as mediums). Alcohols, ethers, chloroform, etc.

.248 Dryers

.25 Fixativs Coatings

Varnishes: amber, copal, damar, mastic, megilp, etc. (see also 751.245 Resins); lackers

.3 Equipment Furniture Tools

Including general discussions of use of each. Easels, stools, tables, etc. Palets, stretchers, slabs. Color tubes, mixing dishes, wash trays, etc. Bags, portfolios, object holders, studio and field boxes, parasols and other painters' accessories

.33 Models

Dummies, lay-figures, manikins, patterns, etc.

.34 Tools

Brushes, pencils, knives, erasers, mahl-sticks or handrests, mullers, sponges, etc. Fingers as painting tools

.4 Tecnic Methods

For coloring tecnic see 752.4. See also 741.4 Drawing tecnic

.41 General questions

Designs for painting, etc. Preparing surfaces: cleaning, priming, sizing. Mixing and preparing pigments, mediums, vehicles. Painting operations: preliminary sketching, outlining, etc.; composition (backgrounds, chiaroscuro, etc.); corrections, etc. Coating, glazing, varnishing, etc.

751.42 Water-color painting
Aquarels; gouache, wash, ink painting; sepia work, water monocrome. For water-colors see 751.232, colord inks 751.234, water-color mediums 751.242

.43 Distemper or tempera painting
For distemper colors see 751.233, mediums 751.242

.44 Fresco painting
For fresco mediums see 751.244. See also 751.73 Frescos

.45 Oil painting Impasto
For oil-colors see 751.235, oil-color mediums 751.245

.46 Encaustic or wax painting
For encaustic colors see 751.236, wax color mediums 751.245

.47 Stereocromy Waterglas painting
For waterglas as a medium see 751.243

.48 Mosaic painting

.49 Other

.5 Reproduction Copying
By drawing, painting, engraving, photografing, etc.

.58 Forgeries Alterations
Expertizing, detection of fraud, determination of authenticity

.6 Care Preservation
Accidents, deterioration, injuries, fading, cracking, blooming, etc. Precautions, remedies, cleaning, restoring, retuching, etc.

.7 Object and form of paintings
For other special types of painting see under 738 Ceramic. china, pottery and enamel painting, 745.6 Ornamental lettering, manuscript illumination, 745.7 Decalcomania, 746.3 Cartoons for tapestries; also special subjects of painting 753–758

.72 Easel pieces
Altarpieces, diptics, triptics, poliptics

.73 Murals Frescos
See also 729.4 Painting in Architecture, 747.32 Painting ceilings and walls in Interior decoration, 751.44 Fresco painting

.74 Panoramas
Cosmoramas, cycloramas, dioramas. See also these terms in Relativ index for composit and other forms

.75 Scene paintings Theater scenery

.76 Ornamental and decorativ paintings
See also 698.1 Painting buildings, 729.4 Decorativ painting in Architecture, 747 Interior decoration

752 Color Chromatografy

Chromatics, theory of color. See also 152.133 Color psicology, 535.6 Optics of color, 612.8433 Color phisiology, 751.23 Pigments, paints; also special applications, e.g. 659.1325 Color in Advertizing

.1 General questions

Color analisis, properties, qualities, etc. Color constants, warm and cool colors, advancing and retreating colors. Color values and intensities. Primary and complementary colors, near-complements and triads; etc.

.2 Color symbolism

.3 " scales and charts

.4 Color tecnic Manipulation

Color harmonics, mixtures, gradation, contrast. Form and color. Color in light and shade. Color in composition. For painting tecnic in general see 751.4

.5 Composition of artists palets

Choice of colors

.6 Monocrome painting

.8 Individual colors

See also 751.238 Individual pigments

753–758 Special subjects of painting

History, tecnic, etc. See also special applications, e.g. 712.35 Use of painting in Landscape architecture

753 Mythic Epic Idealistic

Gods, heroes, etc. Allegoric, fabulous, legendary. Symbolic, idealistic, mystic. Decorativ, designs, patterns, etc. For general discussions of human figure painting see 757

754 Genre

Anecdotal subjects, every-day life

755 Religious Ecclesiastic

May be divided like 704.948, e.g. 755.3 Early Christian, Byzantine, 755.5 Paintings of Christ. See also 246–247 Ecclesiology

756 Historical

Famous events, battle scenes, etc.

757 Human figure Portrait

See also 743 Art anatomy

.1 **General questions**

Principles of portraiture

.2 **Nude or draped**

.22 Nude .23 Draped

.3 **Men** .4 **Women** .5 **Children**

.6 **Mixt portrait groups**

.7 **Miniature painting**

.8 **Special classes of portraits**

May be divided like 920, e.g. 757.833 Portraits of statesmen

.9 **Collections of portraits**

758 Other subjects of painting

.1 **Landscape Scenery**

.2 **Marine Seascape**

.3 **Animals Hunting Sporting**

For ded game see 758.45

.39 Special animals

.392–.399 may be divided like 592–599 e.g. 758.3982 Birds

.4 **Stil life**

.41 General questions

.42 Plants Trees Flowers

.428 Special plants

2–9 may be divided like 582–589, e.g. 758.428337 Roses

.43 Fruit

.44 Vegetables

.45 Ded game

.46 Inanimate objects

.6 **Industrial subjects**

May be divided like 600, e.g. 758.622 Mining subjects

.7 **Buildings Architectural subjects**

May be divided like 720, e.g. 758.754 Factories

.8 **Special objects in painting**

May be divided like the whole classification, e.g. 758.855 Geologic specimens

.9 **Collections of paintings**

Collections of special types may be clast here or with those types

759 Various schools or stiles of painting

For general history of painting and local treatment use 750.9 divided like 930–999

.1 **American**

For Mexican use 759.972, Spanish or Latin American 759.98

.11 Canadian

May be divided like 971, e.g. 759.115 New Brunswick

.13 United States

May be divided by periods like 973, e.g. 759.132 Colonial

.14–.19 Local

Divided like 974–979, e.g. 759.14 New England

.2 **English**

May be divided like 942, e.g. 759.2081 Victorian painters, English preraffaelites, 759.247 Newlyn school

.3 **German Austrian, etc.**

May be divided like 943, e.g. 759.307 German preraffaelites or Nazarites, 759.332 Nuremberg school, 759.36 Austrian

.4 **French**

May be divided like 944, e.g. 759.437 Barbizon or Fontainebleau-Barbizon school

.5 **Italian**

May be divided like 945, e.g. 759.505 Italian renaissance painters, 759.55 Sienese school

.6 **Spanish Portuguese**

May be divided like 946, e.g. 759.67 Valencian school, 759.69 Portuguese

.7 **Slavic Russian, etc.**

May be divided like 947, e.g. 759.71 Finnish

.8 **Scandinavian**

May be divided like 948, e.g. 759.89 Danish

.9 **Other schools**

.91 International schools

.911 Classicism Orientalism

.912 Naturalism

Romanticism, realism. For preraffaelitism see under 759.2 English, 759.3 German or Nazarites

.913 Eclecticism Synthesism

.914 Impressionism

Luminism, pleinairism, divisionism, secessionism, independents

.915 Postimpressionism

Fauvism; cubism, purism; futurism; vorticism; expressionism, surrealism

.93–.99 National schools

Divided like 930–999, omitting schools provided for in 759.1–.8; e.g. 759.9492 Dutch, 759.9493 Flemish, Belgian

760 Engraving

For complete list of form divisions see Table 2 following Relativ index, using 760.78 for instruments, apparatus, equipment: engravers tools, e.g. burin or graver, burnishers, needles, scrapers, etc.; engravers presses; printing supplies, inks, papers; engravers furniture, accessories and supplies, e.g. acids, mordants, etc. For engraving machines see 768. See also 655 Printing, publishing, 737 Coins and medals, 745–749 Industrial decoration and design; also special applications, e.g. 659.1323 Engravings in Advertizing

761 Relief engraving

See also 768.1 Machine relief engraving, 777.2 Photorelief processes

.1 **General questions**

.2 **Wood engraving Xylografy**

Woodcuts. See also 777.8 Photoxilografy

.21 General questions

Design, composition, etc.

.22 Wood blocks

Side or end grain, various kinds of wood, etc.

.23 Preparing surface for design

Cleaning, polishing, ground laying, etc.

.24 Sketching design

Drawing, tracing, transfering

.25 Line cutting

Black and white line, hatching, scrolls, geometric designs, etc.

.27 Chiaroscuro method

.28 Inking Printing

.281 General questions

.232 In black and white

.283 " color Chromoxilografy

Monocrome, policrome; Japanese color prints

761.3–.8 may be divided as needed like 761.2, e.g. 761.383 Linoleum block color printing

.3 **Linoleum engraving Lino-cuts**

.4 **Rubber and rubberized materials**

.5 **Lether**

.6 **Celluloid**

.7 **Artcraft composition**

.8 **Metal relief engraving**

For metal engraving in general see 762

.9 **Other materials**

Shelf fungi, potato blocks, etc.

762 Intaglio engraving Metal engraving

For special methods see 765–768. See also 761.8 Metal relief engraving, 777.1 Photointaglio processes

.1–.7 may be used like 669.1–.7 according to metal employd, each may be further subdivided by 2 Bare metal, 3 Faced metal; further divided like 669.1–.7 according to metal facing used; e.g. 762.3 Copper engraving, chalcografy, glifografy, 762.331 Steel faced copper plates

.8 **Printing processes**

.81–.87 may be used like 669.1–.7 according to metal employd, each being further subdivided like 761.28; e.g. 762.833 Chromocalcografy

.88 General methods

May be divided like 761.28, e.g. 762.883 Color methods in metal engraving

.9 **Other topics**

763 Lithografy Planografy Metalografy

See also 768.3 Machine metalografy, 775 Photolithografy, 776 Photometalografy

.1 **General questions**

.2 **Lithografic surfaces**

.21 General questions

.22 Lithografic stones

.23 Aluminum Algrafy Aluminografy

.24 Zinc Lithozincografy Zincografy

.3 **Preparing surface for design**

Cleaning, polishing, ground laying, graining

.4 **Making design**

Greasy chalk or ink drawing, stippling (for stipple engraving see 765.5), spatter work, spraying, transfering

.5 **Preparing surface for printing**

Applying acid, washing

.8 **Inking Printing**

For chromolithografy see 764

764 **Chromolithografy**

See also 775.8 Photocromolithografy, 776.8 Photocromometalografy

765 Line engraving Stipple engraving and other dot methods

.1 **General questions**

.2 **Line engraving**

.4 **Chalk or crayon engraving**

.5 **Stipple engraving**

Dot methods in general. For lithografic stippling see 763.4

.6 **Cribbling Criblé engraving**

766 Mezzotint, aquatint and allied methods

.1 General questions

.2 Mezzotint

.3 Aquatint

.4 Sulfur-tint

.7 Mixt or composit processes

Discussions of any 2 or more processes of engraving combined in 1 print

.8 Monotipes

767 Etching Dry-point

.1 General questions

.2 Etching

Caligrafie, soft-ground, etc. etching. See also special applications, e.g. in Arts and erafts 748.6 Etching on glas

.3 Dry-point Draw-point

.4 Gelatin dry-point

768 Machine engraving

.1–.7 may be divided so far as needed like 761–767, e.g. 768.3 Machine lithografy and metalografy. For eeeentric engraving use 768.52

.8 Special machine engraving

Engraving of banknotes, government notes, paper money, bonds, morgages, stocks and other securities; postage stamps, etc.

.9 Other topics

769 Collections of engravings

If colleetion eovers les than half of following hedings, clas with 1st mentiond in tables unless some 1 subject predominates; if more than half clas in general number unless 1 predominates or is library's specialty

.1 Collecting

Tecnic, methods of colleeting, preservation, etc.

.2 By engraver

.3 " artist copied

.4 " subject

.41 Engravers and collectors marks, monograms, etc.

.42–.49 divided like 704.942–.949, e.g. 769.42 Portrait engravings

.5 By form

Plates, diplomas, menus, visiting cards, postcards and other illustrated cards, decorativ prints, color prints, prints for children, posters, etc.

.6 By process

Divided like 761–768, e.g. 769.612 Woodcuts. May be clast under number for process in 761–768 by adding 084 to process number, further subdividing if desired by subject like 704.94; e.g. 761.2084 Woodcuts, 761.20842 Portrait woodcuts

.9 By locality and period

Divided like 930–999. For general history and local treatment use 760.9 divided like 930–999

770 Photografy Heliografy

Sun-pictures, sun-prints. See also 535 Optics, 541.3 Phisical chemistry (esp. 541.3452 Colloid chemistry, 541.35 Photochemistry). For ful list of form divisions see Table 2 after Relativ index. For collections of photografs see 779. See also special applications, e.g. 659.1323 Photografs in Advertizing

.1 **Theory**

Influences acting on photografic preparations (see also 771.534 Sensitivity, 771.535 Latent image). Esthetics, photografy as an art. Theories of phisical influences on photografic preparations, mecanical influences, photografic optics (see also 535 Optics in Phisics). Theories of chemic influences on photografic preparations. (For Photografic chemistry see 771.5–.7. For chemistry and reactions in any special process see number for that process. See also 541.35 Photochemistry)

.2 **Compends**

.28 General tecnic

Elementary operations of photografic processes. For special tecnic of individual processes see numbers for those processes in 772–778, to any of which 028 and subdivisions may be added as desired

SUMMARY

770.281	**Operations preceding exposure**
.282	" **accompanying** "
.283	" **immediately following exposure**
.284	**Treatment of positivs Working up**
.285	**Preservation and use of negativs and transparencies**
.286	" " " " **prints or positivs**
.287	**Recovery of materials, wastes, residues, etc.**

.281 Operations preceding exposure

Preliminary operations for camera exposure or direct printing

1 **General questions**

2 **Preparation of sensitiv emulsions, plates and films**

Preservation, manipulation, transporting, storing, marking, etc. Referring to actual manufacture only (for types of emulsions, composition, ingredients, etc. see 771.53–.54). Preparation of ingredients, including addition of preservativs, etc. (for substratums see 771.528). Preparing plates and films for coating (see also 771.532 Sensitiv supports). Coating plates and films with sensitiv material. Leveling, setting, drying, reticulation. Cutting plates and films. Arranging, packing, etc. For apparatus used in these processes ad 078; see also 771.4 Apparatus and utensils. For colloids, supports and sensitiv materials in general see 771.5. For relation of these processes to sensitivity see 771.534

770.2813 **Preparation of sensitiv papers**

For preparation of emulsion see 770.2812. Preparing paper for coating, including coating with nonsensitiv substratums, e.g. barita (see also 771.528 Special substratums). Coating paper with sensitiv material. Setting, drying; cutting; arranging, marking, numbering, packing, storing, transporting. See also 771.5323 Sensitiv papers in general

4 **Preexposure dark room operations**

See also 770.2832 Preparation of dark room for developing, 771.13 Dark rooms in general

5 **Preparation and manipulation of apparatus and utensils**

Cleaning, etc. See also 771.4 Apparatus and utensils

7 **Prevention of halation Plate backing**

Compensator negativs, etc. For halation see 771.537. See also 771.528 Antihalation backings

8 **Treatment of defectiv plates, films and papers**

.282 Operations accompanying exposure

For camera exposures or direct printing. (For exposure apparatus see 771.3). Choice and arrangement of subject, composition, photografic perspectiv, posing. Preparation and installation of apparatus: preparing cameras (loading, preparing slides, etc.); preparing printing frames (see also 771.41–.42 Printing apparatus); installation of exposure accessories (see also 771.21 Furniture and accessories). Choice and preparation of illumination: arrangement of lamps, screens, etc. (see also 771.22 Studio lighting, 771.44 Light sources). Estimation of light values: quality, intensity, etc.; determination of exposure (see also 771.37 Exposure meters and calculators). Adjustment of exposure apparatus and diaframs, stopping-down (see also 771.354 Diaframs in general). Making the exposure: focusing, etc.

.283 Operations immediately following exposure

Treatment of negativs. For apparatus see 771.43

1 **General questions**

2 **Preparation of dark rooms**

Including general discussions of dark room preparations. See also 770.2814 Preexposure dark room operations, 771.13 Dark rooms in general, 771.23 Dark room furnishings, 771.24 Dark room lighting

3 **Preparation of utensils**

4 **" " baths**

For composition and ingredients see 771.54

5 **Development**

Chemic, phisical, etc. development. See also 771.5343 Desensitization, 771.5345 Laws of development, solarization, reversal, etc., 771.535 Latent image

770.2836 **Toning**
See also 773.53 Dye toning

7 **Changing density**
Harmonizing harsh contrasts. Intensifying, redevelopment; reducing, rehalogenizing; bleaching, clearing, etc.

8 **Finishing negativs**
Hardening, fixing, hypo elimination, washing, drying, retuching, etc.

9 **Other**

.284 Treatment of positivs Working up
For apparatus see 771.45

1 **General questions**

2 **Printing**

3 **Finishing**
Retuching positivs, blocking or stopping out, spotting. Tinting, coloring, air-brush work, hellenotipe, hallotipe, etc. processes. Varnishing, varnish removal, etc.

4 **Mounting**
Derepas, ivoritipe, etc. processes. For framing see 770.2864

5 **Trimming**

6 **Surfacing**
Glazing, burnishing, hot pressing, rolling, matting, graining, enameling, etc.

7 **Embossing**
Basrelief prints, etc.

8 **Transfering images to special supports**
To glas, porcelain, etc.

9 **Other**
Edging, safe-edge, etc.

.285 Preservation and use of negativs and transparencies

1 **General questions**

2 **Deterioration Defects**
Negativ and positiv troubles: causes, remedies, restoring, repairing. Aging; drying marks; crape, cristal, etc. markings; stains, fogging (see also 771.5345 Fog); pinholes, dust spots, crackt and broken negativs, etc.

3 **Stripping and reversing negativs**
Film stripping, Eburneum process, etc. (see also 771.527 Stripping films, 778.13 Enlarging by stripping). Phototegie, etc.

4 **Preservation Storing Duplication**
See also 771.46 Storage apparatus, 778.12 Reproduction by camera

5 **Classification of negativ collections**
Titling, lettering, numbering

6 **Packing Transporting**

770.286 Preservation and use of prints or positivs

Divided like 770.285. 4 includes passe-partout and framing (for mounting see 770.2844), 6 includes print exhibition and arrangement (see also 771.46 Display and exhibition furniture)

.287 Recovery of materials

Recovery of wastes, residues, etc. Restoration of sensitiv materials, regeneration of baths, etc.

.6 Societies Interested persons

.69 Persons in relation to photografy

Professional, amateur, etc. photografy. General discussions only. Discussions of special operations and types of photografy ar preferably clast under numbers for those operations and types

771 Photografic materials Photografic chemistry

Premises, apparatus, substances

SUMMARY

771.1	Buildings Premises	.5	Photografic chemistry
.2	Furniture and fittings for photografic establishments	.6	Inorganic chemicals
		.7	Organic "
.3	Cameras and their accessories	.8	Apparatus for obtaining prints by mecanical impression
.4	Apparatus common to negativs and prints	.9	Other photografic materials

.1 Buildings Premises

Special installations and interior arrangement. For architecture see 727.77 Galleries, 727.797 Studios

.11 Buildings devoted to photografy in general

Society houses, meeting places, assembly halls, reception rooms

.12 Photograf studios

Exposure and enlarging rooms; design and arrangement

.125 Cinematograf studios

See also 778.5 Cinematografy

.13 Dark rooms Developing laboratories

See also 770.2814 Preexposure dark room operations, 770.2832 Postexposure dark room preparations

.14 Printing rooms

.15 Research and testing rooms

.16 Factories Workshops

.17 Schools Teaching establishments

For study and teaching use 770.7

.18 Supply houses

Commercial premises, business and sales establishments

.19 Other

771.2 **Furniture and fittings for photografic establishments**

.21 General studio furniture

Exposure accessories, decorations, etc. Posing chairs, hedrests, backgrounds, etc. See also 770.282 Installation of exposure accessories

.22 General lighting of studios

Windows: arrangement, glazing, blocking up, etc.; light fixtures: arrangement, etc.; blinds, curtains; screens, diffusers, reflectors. For dark room lighting see 771.24. See also 770.282 Choice and preparation of illumination for exposure, 771.295 Lighting of cinematograf stages, 771.44 Light sources

.23 Dark room or developing laboratory furnishings

Tables, work benches, shelvs, cupboards, water supply, plumming, developing and washing sinks, seats, etc. See also 770.2832 Postexposure dark room preparations, 771.43 Developing apparatus

.24 General lighting of dark rooms

Special dark room lamps, lanterns and filters, safe-lights, window glazing (see also 771.356 Color filters for cameras, 771.41 Colord glas for printing); dark room shades and fabrics. For general studio lighting see 771.22. See also 770.2832 Postexposure dark room preparations, 771.44 Light sources

.25 Portable laboratories and studios

Photografic tents, wagons, etc.; portable developing furniture

.26 Furnishings of printing and reproduction rooms

.27 " " enlarging and projection rooms

.28 " " photomecanical printing rooms

.29 Other

.295 Furnishings of cinematograf laboratories

Stage fittings and arrangements, lighting (see also 771.22 General studio lighting, 771.44 Light sources), scenery, accessories, etc. See also 778.5 Cinematografy

.3 **Cameras and their accessories**

Apparatus for taking photografs direct. For exposure operations see 770.282. See also 535.8 Optical instruments in Phisics, 681.4 Manufacture of optical instruments; also numbers for special applications in 778

SUMMARY

771.31	Cameras	.35	Optical parts
.32	Material holders Adapters Backs	.36	Photografic shutters
.33	Daylight loading and changing boxes Film and roll holders	.37	Focusing and exposure apparatus
.34	Stands and supports	.38	Camera accessories
		.39	Other camera apparatus

771.31 Cameras

Camera obscura

.311 General questions

.312 Studio and field cameras

Portable stand cameras, 'hand or stand', universal cameras

.313 Hand cameras

Fixt focus cameras; cameras automatically taking a series of photografs; cameras using cinematograf film for single exposures; etc.

1 **General questions**

2 **Plate cameras**

Box cameras, magazine cameras (also cald detectiv cameras; see also 771.3136 Disgized cameras); reflex or reflector cameras (see also 771.3133 Roll film reflex cameras); focal plane or candid cameras; etc.

3 **Roll film cameras** **Film cameras**

Kodaks, filmografs. Roll film reflex cameras (see also 771.3132 Reflex cameras in general), etc. Double exposure prevention devices (see also 771.36 Shutters, 771.37 Exposure indicators); film winding devices, (see also 771.33 Film spools and roll holders); etc.

4 **Film pack cameras**

6 **Disgized cameras** **Detectiv cameras**

Cameras for detectiv and other secret work, secret cameras. Book, buttonhole, hat, opera-glas, vest, watch ('Ticka'), etc. cameras. See also 771.3132 Magazine cameras, 771.314 Cameras closing like a book

.314 Folding and extensible cameras

Bellows cameras and bellows. Extensions and extension frames, extension cameras. Flap or shutter folding cameras, sliding body cameras, cameras closing like a book (see also 771.3136 Book cameras), etc.

8 **Pocket cameras**

Clas here general discussions of miniature cameras

.315 Binocular or twin lens cameras

Photojumelles. See also 778.42 Stereoscopic cameras

.316 Panoramic and cycloramic cameras

Cyclografs for photografing all sides of cylindric objects on 1 surface, oroheliografs, pantascopic camera, planetable, etc. Cyclografs for photografing panoramas, cirkut cameras, cylindrografs, panoram cameras, etc. See also 778.35 Aerial cameras, 778.36 Panoramic photografy

771.317 Process cameras Photoengraving cameras

Cameras, copiboards and other accessories for photomecanical reproduction. For photomecanical processes see 774–777

.318 Copying and enlarging cameras and lanterns

Photostat and similar cameras; projection printers; easels, copiholders, material holders, etc. For light sources, condensers, etc. see 771.44. See also 778.1 Industrial reproduction, enlarging, 778.2 Projection

.319 Other types of cameras

1 **Multiplying apparatus**

Cameras for producing several exposures on 1 exposure area. Multiple, postage stamp, etc. cameras. See also 771.32 Repeating backs, 771.352 Lens devices for securing multiple images, 778.8 Polipose photografy

2 **Lensless cameras**

Pinhole cameras, stenopaic or fish-eye photografy; mirror, prism, etc. cameras

3 **Automatic cameras**

In which developing and fixing ar performd

.32 Material holders Adapters Backs

Dark slides, plate holders; plate carriers and adapters; repeating or multiplying backs or multipliers (see also 771.3191 Multiplying apparatus in general, 771.352 Lens devices for securing multiple images), swing and sliding backs, side swings (see also 771.353 Swing fronts, 771.37 Focusing devices), etc.; combined material holders and development tanks. For film pack adapters see 771.33

.33 Daylight loading and changing boxes Film and roll holders

Plate magazines, magazine slides, plate sheaths. Film spools, daylight cartridges; roller slides (see also 771.3133 Film winding devices in general). Film packs, film pack adapters (see also 771.32 Adapters in general). Envelope film and plate changers; etc.

.34 Camera stands and supports Tripods

Studio and field stands; stands for cinematografic apparatus; for copying, enlarging and photomecanical apparatus; etc. Accessories: fastenings and screws, camera baseboards, turntables, adjustment apparatus, etc.

771.35 Optical parts of cameras

See also 535.85 Photografic optics in Phisics

.351 General questions

.352 Objectivs Lenses

Characteristics, dimensions, etc. Depth of focus, definition or field; resolving power, angle of view, etc. (For scientific principles of lenses, elementary forms, etc. see 535.81) Various types of lenses: simple, anastigmat, telefoto, etc.; wide angle lenses (see also 778.36 Wide angle photografy); telefoto backs and combinations (see also 778.32 Telefotografy); portrait attachments; devices for securing multiple or distorted images (see also 771.3191 Multiplying cameras, 771.32 Repeating and multiplying backs, 778.8 Trick photografy); diffused image apparatus; optical lens attachments, planiscopes, magnifiers, etc. (see also 771.37 Focusing magnifiers). See also numbers for special types of photografy

.353 Fronts Mounts

Lens boards or panels, camera fronts. Rizing and falling, swing, etc. fronts (see also 771.32 Swing backs). Lens adapters, braswork, flanges, screws and other accessories for lens mounts. See also 771.37 Focusing devices

.354 Diaframs Stops Apertures

Focal or working aperture, marking or numbering systems (F numbers, etc.), influence of rapidity, functions and position of diaframs; diafram mountings, etc. See also 770.282 Adjustment of diaframs

.355 Compensating glasses

E.g. Miethe's compensator

.356 Color filters or screens Light filters

Including filter holders. See also 771.24 Dark room filters, 771.41 Colord glas for printing, 771.5342 Filter factors, 778.6 Photografy of colors

.357 Mirrors and prisms for reversing images and negativs

.358 Lens hoods and shades Sky shades

.359 Other

.36 Photografic shutters Instantaneous shutters

Obturators. Construction, tests, use, performance, etc. Time exposure apparatus, lens caps, time valvs, etc. Shutter operators, releases, self timers, etc. See also 771.3133 Automatic film changing apparatus and double exposure prevention devices, 778.37 Instantaneous photografy

771.37 Focusing and exposure apparatus

View finders and meters, identoscopes, etc.; iconometers, focimeters, distance meters, etc. Camera levels, plum indicators. Exposure indicators and counters (see also 771.3133 Double exposure prevention devices for film cameras). Photografers compasses. Exposure meters, reckoners or calculators and tables, actinometers, etc. (see also 770.282 Estimation of light values, 771.41 Print meters and actinometers, 771.5345 Photometry in general). Focusing devices, magnifiers, racks and mounts, adjusters, etc. (see also 771.32 Swing backs, 771.352 Supplementary lenses and magnifiers, 771.353 Camera fronts). Focusing screens, light deflectors, scales, etc. Vignetters for cameras (see also 771.41 Print vignetters)

.38 Camera accessories

Focusing cloths, curtains and other flexible focusing attachments. Camera and apparatus cases and carriers, bags, lens cases, etc.; trunks for transporting photografic apparatus; etc.

.39 Other camera apparatus

.4 Apparatus common to negativs and prints

See also 770.2815 Preparation and manipulation of apparatus

SUMMARY

771.41	**Glas and paper cutting apparatus Print making accessories**	**.44**	**Light sources**
.42	**Printing frames and machines**	**.45**	**Retuching and finishing apparatus**
.43	**Apparatus for developing, fixing, washing and drying**	**.46**	**Preservation, examination and transportation apparatus**
		.47	**Laboratory utensils**

.41 Glas and paper cutting apparatus Print making accessories

Mesuring apparatus; cutting shapes, forms or molds. Cutting and trimming utensils and machines, guillotines, etc. (for mounting apparatus see 771.46). Gages and print mesurers. Frosted and colord glas for printing (see also 771.24 Safe-lights, 771.356 Color filters). Print vignetters, printing masks, cloud and border negativs (see also 771.37 Vignetters for cameras). Print meters and actinometers for determining printing times (see also 771.37 Exposure meters and actinometers). Print and negativ timers, dark room clocks. Print indicators, etc.

.42 Printing frames and machines

Various types of frames and printers: châssis à ventouses (ventiduct frames), cinematograf printing machines, fantasmografs; inscription or titling, numbering and lettering printers, etc. See also 770.282 Preparing printing frames for exposure

771.43 Apparatus for developing, fixing, washing and drying

Baths, trays, trofs, etc. Draining apparatus. Apparatus for handling plates, films and prints. Special apparatus for developing and etching printing plates: graining apparatus, resin boxes, heaters and heating slabs; instruments for finishing and retuching printing plates (see also 771.45 Retuching apparatus in general); materials for duplicating by electrotipe, etc. For operations see 770.283. See also 771.23 Developing room furnishings, developing and washing sinks, 771.47 Laboratory utensils, thermometers, etc.

.44 Light sources for photografic operations

See also 770.282 Choice and preparation of illumination for exposure, 771.22 General lighting of studios, 771.24 General lighting of dark rooms, 771.295 Lighting of cinematograf stages, 771.5345 Standard light sources for sensitometry

.441 General questions

.442 Sunlight photografy

Natural light photografy in general. Natural daylight, reflected or condenst sunlight, etc. Condensers, heliostats (see also 778.22 Optical lantern condensers). For moonlight, starlight, etc. see 771.4491 Night photografy

.443 Artificial light photografy

1 **General questions**

2 **Lighting by combustible solids or liquids**

3 Candle light

4 Oil lights

5 Spirit lamps Alcohol lamps

See also 771.446 Spirit vapor lamps

.444 **Natural or ordinary gaslights**

Gas jets, incandescent burners, Auer or Welsbach jets, etc.

.445 **Lighting by comprest and mixt gases**

Limelight, calcium light, oxicalcium, oxihidrogen or Drummond light, etc. Acetilene light. Comprest gas reservoirs and generators, gas cylinders, carbid tanks, etc. Lime cylinders, limes

.446 **Lighting by mixture of vapors and gases**

Vaporized gases, spirit vapor lights, sol lamps, incandescent spirit lamps (see also 771.4435 Spirit lamps), oxyether lights, etc.

771.447 **Electric lighting**

Arc, incandescent, etc. lights. Regulators, etc. 5–7 may be divided like 621.325–.327, e.g. 771.44756 Flaming arcs

.448 **Lighting by magnesium and flash powders**

Flashlight photografy. Flash lamps and materials, touch papers, pyrotecnic lights, luxograf, etc.

.449 Other light sources

Lightning, etc.

1 **Night photografy**

Moonlight, starlight, street lights, etc.

.45 Retuching and finishing apparatus

Retuching desks, frames, mediums, varnishes, powders, etc. Coloring apparatus, easels, palets, pigments, etc. Drying apparatus, presses, squeegees, blotters, etc. Surfacing apparatus, glazing plates (ferrotipes, etc.), burnishers, pulp slabs; polishing, lubricating, cleaning, etc. materials; encaustic or cerate paste, etc. Embossing and enameling apparatus. Brushes, pencils, aerograf or air brush, ätzpinsel, crayons, swabs, etc. For processes see 770.284. See also 771.43 Instruments for finishing and retuching printing plates

.46 Preservation, examination and transportation apparatus

Filing and storage boxes and cabinets; envelopes, classifiers; albums, portfolios. Mounting materials and apparatus, mountants, paste, mucilage, etc.; passe-partout materials, etc. (see also 771.41 Trimming apparatus). Frames and framing apparatus. Display and exhibition furniture (see also 770.2866 Print exhibition). Viewing apparatus: monocles, alethoscopes, diafanoscopes, lanternoscopes, verants, etc.; binocular apparatus, grafoscopes (see also 778.44 Stereoscopic viewing apparatus); cosmoramas, etc. (see also 778.2 Photografic projection). Packing apparatus, transit boxes, etc. See also 770.2854 Preservation processes

.47 Laboratory utensils

Bottles, stoppers; glasses, graduates, burets, droppers, test glasses, hydrometers; funnels, filters and filtering mediums; scales, thermometers, stirring rods, tubing, labels, etc. See also 771.43 Apparatus for developing, fixing, washing and drying, including temperature controld development dishes

771.5 Photografic chemistry

Substances and raw materials used in photografy and in sensitiv preparations. Chemicals, etc. Use and preparation from photografic viewpoint. For properties and manufacture of these products from chemic and general viewpoints see 540 Chemistry and 660 Chemic tecnology

SUMMARY

771.51	General questions	.55	Special substances used for printing
.52	Support materials	.58	Nonsensitiv emulsion and coating materials
.53	Sensitiv preparations		
.54	Composition and ingredients of photografic baths and mixtures		

.51 General questions

.52 Support materials

Characteristics and suitability of various raw materials for use as photografic supports or surfaces. For sensitized supports see 771.532

.521 General questions

.522 Paper

Various kinds: for films, transfer papers, etc.

.523 Films of cellulose compounds

Celluloid films, composition, solvents, etc. Nitrate, acetate, viscose, etc. films

.524 Metal supports

Steel, precious metals, copper, etc.; in form of plates or films, etc.

.525 Special temporary supports

Flexible, opal glas, etc.

.526 Ceramic materials

Glas, porcelain, etc. May be divided like 666, e.g. 771.5261 Glas

.527 Stripping films

Films for stripping. See also 770.2853 Film stripping

.528 Special substratums and coatings

Backings. Noncurling film coatings: gelatin base, anticurling, cristoid, Sandell, etc. films. Barita and barita paper (see also 770.2813 Coating with barita). Antiabrasion, reinforcing, metallic, etc. coatings, metotipes. Antihalation backings (see also 770.2817 Plate backing). Sizing materials, etc. See also 770.2812 Applying special nonsensitiv substratums, including preservativs, to plates and films, 770.2813 to papers

.529 Other topics

Stone, wood, textils, etc. as support materials

1 Cleaning and renovating old supports

771.53 Sensitiv preparations

Properties of sensitiv materials. For manufacture of sensitiv emulsions sec 770.2812, for photografic processes see 772–778

.531 General questions

.532 Sensitized supports

See also 770.2812 Preparing plates and films for coating, 771.52 Support materials

1 **General questions**

2 **Sensitized plates Dry plates**

Various types: ferrotipe plates, adamanteans; diapositiv, pinatipc, etc. plates

3 **Sensitized papers**

Development, bromid, etc. papers, transferotipes. Print- and bleach-out papers; aristotipe, collodion, etc. papers. Pinatipe, ozobrome, etc. papers; papier velours, etc. Sce also 770.2813 Preparation of sensitiv papers

4 **Sensitized films**

Film pack, roll, cinematograf, etc. films

5 **Sensitized surfaces clast by speed and use**

Ultrafast, for focal-plane shutter cameras and dul light portraits; fast, for portraits, outdoor groups and slowly moving objects; etc. For emulsions according to speed see 771.543

.533 Phisical characteristics of sensitiv emulsions

Size of grain, turbidity, etc.

.534 Sensitivity

Degrees of sensitivity, methods of denoting sensitivity, etc. See also 770.1 General photografic theory, 771.535 Latent image

1 **General questions**

Factors affecting sensitivity: heat, humidity, constituents of emulsions, etc. Phisical production of increast sensitivity, special chemic sensititizers, sensitization by auxiliary exposurc, etc. For preparation of emulsions, ripening, special additions to emulsions, ctc. see 770.2812

2 **Color sensitivity**

Wave-length, optical and spectral sensitivity and sensitizing. Sensitizing dyes and other color sensitizing substances, dye sensitizing baths, optical or selectiv sensitizers (see also 770.2812 Special additions to emulsions, 771.549 Dyes in general). Hypersensitizing to color. Filter factors and coefficients (sce also 771.356 Color filters for cameras). Antiscreen and nonfilter plate dyes, etc. See also 778.62 Orthocromatism, pancromatism, etc.

771.5343 **Desensitization**

Reduced sensitivity, desensitizing dyes, oxidizers, etc. See also 770.2835 Development

5 **Sensitometry Photometry**

Mesurement of sensitivity; testing plates, films and other sensitiv surfaces. Systems of sensitometry: Hurter & Drifficld (H. & D.), Scheiner, etc. Sensitometers: intensity scale, mesurement of latitude, photometric prisms, step wedges, etc.; time scale, exposure instruments, speed and inertia mesurement, sensitometric sector wheels, tablets, etc.; actinism (for general discussions of light sources see 771.44); spectrofotometers, etc. Characteristic and density curvs, law of blackening; exposure curvs; laws of development, velocity constant (see also 770.2835 Development processes); density and opacity meters and balances, mesurement of transparency, microfotometers, etc. Tone reproduction, contrast, graduation, variation with wave length, Purkinje effect. Properties of final photografic image, photometric constant or equivalent, color of developt image, resolution, graininess, covering power, turbidity, development effects, marginal and background effects, etc. Reciprocity law, Schwarzchild law or effect, time and intensity, intermittency effect or error. Solarization, reversal (see also 770.2835 Development for direct positivs). Effects of special radiations: Herschel effect (inversion by red light), Becquerel, Villard, etc. effects. Fog: chemic, color, etc. fog (see also 770.2852 Fogging of negativs and transparencies, 770.2862 of prints). Effects of various emanations and vapors: atmografy, vaporografy; sometimes also cald effluviografy (see also 778.34 Effluviografs) See also 535.2 Photometric optics, 771.37 Exposure meters

.535 Latent, embryonic or invisible image

Destruction of latent image, regression, fading. For development see 770.2835. See also 770.1 General photografic theory, 771.534 Sensitivity

.536 Distortion

Curvilinear or marginal, perspectiv, etc. distortion

.537 Halation

See also 770.2817 Prevention of halation

.538 Print-out effect

Direct or visible image

.539 Other

771.54 Composition and ingredients of photografic baths and mixtures

Instructions for preparation and use. For general discussions on preparation of development baths use 770.2834

.541 General questions

Corrosion by photografic solutions, etc.

.542 Film base solutions and chemicals Dopes

Acids; cellulose compounds, nitrate, acetate, viscose, etc. dopes: pyroxilin, collodion cotton or wool, soluble guncotton, celloidin, fatty esters, etc.; solvents; fillers, sizings; stabilizers, etc.

.543 Emulsions

See also 771.58 Nonsensitiv emulsion and coating materials

.544 Developing solutions and chemicals

Developers, reducing agents: indoxil, adurol, amidol, edinol, etc. Accelerators, alkalis, quick stuf. Restrainers. Developer solvents and preservativs

.545 Toning solutions and chemicals

Various types; metallic, nonmetallic, etc.; toning dyes (see also 773.53 Dye toning); toning baths for special purposes, etc.

.546 Density changing solutions and chemicals

Intensifiers, redevelopers, reducers, oxidizers, rehalogenizers, bleachers (calcium hypoclorit or chlorid of lime, Labarraque solution, alabaster solutions, etc.), clearing baths, stain removers, etc.

.547 Hardening and fixing solutions and chemicals

'Hypo', fixing-hardening baths, hypo eliminators, etc.

.548 Bicromate solutions and compounds

Ozotipe solutions, Bennett carbon sensitizer; ozobrome, carbro, bromoil solutions, etc.

.549 Other photografic solutions and compounds

Dyes, dye solutions, pinatipe dyes, etc. (see also 771.5342 Sensitizing dyes). Stripping solutions and chemicals, cresco-fylma, etc.

.55 Special substances used for printing

Inks, mordants, etching solutions, resins, resists. See also 771.8 Apparatus for obtaining prints by mecanical impression

.58 Nonsensitiv emulsion and coating materials

Intermediate substances; colloids and other nonsensitiv mediums for holding the sensitiv materials. Albumin, casein, collodion, curds, fish glue, gelatin, gums, metagelatin, etc. For sensitiv emulsions see 771.543. See also 771.6–.7 Reagents

771.6 Inorganic chemicals used in photografy

Elementary inorganic substances and reagents. May be divided like 546, e.g. 771.613 Chlorin

.7 Organic chemicals used in photografy

Elementary organic substances and reagents. May be divided like 547, e.g. 771.73 Alcohols

.8 Apparatus for obtaining prints by mecanical impression

Rollers, molds, gelatin reliefs, plaster casts, cylindric molds, etc. Grinding knives, inking tables. Presses. See also 771.55 Special substances used in printing

.9 Other photografic materials

772–778 Photografic processes

For sensitiv preparations, plates, films, etc. see 771.53

772 Photografic processes based on use of metals

See also 773 Carbon processes, dusting processes, etc.

SUMMARY

772.1	Silver, copper, mercury	.6	Tin, titanium, zirconium, thorium, actinium
.2	Iron, manganese, cobalt, nickel	.7	Vanadium, antimony, bismuth, tantalum, niobium (columbium), polonium
.3	Platinum, palladium, gold, osmium, iridium, rhodium, ruthenium	.8	Berillium (glucinum), magnesium, zinc, cadmium, rare earths (cerium, aluminum, etc.)
.4	Chromium, molibdenum, uranium, tungsten (wolfram)	.9	Other metallic salts
.5	Led, thallium		

.1 Silver group processes Silver prints

See also 772.32 Platinum-silver processes

.11 General questions

.12 Silver processes according to support material

Processes using silver salts on paper, metals, etc. Calotipes, talbotipes, gallo-nitrate of silver process, photogenic drawing, kerotipes, diafanotipes, Cooper, serum, etc. processes. Dagerreotipes (see also 772.14 Positiv wet collodion processes), bitumen niepceotipes, Niepce heliografic process, etc.

.13 Processes using silver salts with noncollodion coating sensitized by bathing

Silver processes using coatings of albumin, gelatin, starch, arrowroot, cellulose, varnish or lacker, resin, gum, silica, soluble glas, etc. Processes with albumin or gelatin, energiatipes (formerly cald ferrotipes, see also 772.14 Tintipes), gelatin and sugar processes, etc. on collodion (for collodion processes in general see 772.14). Poitevin processes, albumin niepceotipes, chrystolotipes, etc.

772.14 Collodion processes Collodiotipes

Wet-plate processes. Archerotipes, archotipes; direct positivs (see also 772.12 Dagerreotipes), ambrotipes, alabaster or alabastrin process; ferrografs, ferrotipes, melanotipes, melainotipes, or tintipes (see also 772.13 Energiatipes, 772.22 Positiv cyanotipes); honey process, dry ferrotipe, Nievsky, etc. processes; Fothergill, gum gallic, Norris, resin dry, Russell tannin or gallic acid, Wortley, etc. processes; Taupenot process; morfia, zanthocollodion, etc. processes. Collodion transfers (pannotipes, etc.) See also 772.13 Silver processes using albumin or gelatin on collodion, 772.15 Collodio-silver chlorid processes, 772.46 Uranium collodion processes

.15 Emulsion processes using silver salts

Dry-plate processes. Silver collodio-bromid processes; silver gelatino-bromid processes, pellicle (e.g. Kennett) processes, etc.; iodo-bromo gelatin processes, e.g. whey process; chloro-bromid gelatin processes; chloro-iodo-bromid gelatin processes; collodio-gelatin processes, etc. Collodio-silver chlorid processes, e.g. Chardon, etc. processes; Simpsontipes, etc. (see also 772.14 Collodion processes in general). Silver gelatino-chlorid processes, printing-out silver processes in general (aristotipes, etc.). Silver iodid gelatin processes. Unwasht development emulsion processes; etc.

.16 Processes using silver salts mixt with reducing salts

Processes using salts of silver and iron: catalisotipe, kallitipe (brown line processes, cerio printing, etc.), sepia printing, breth printing, fluorotipe, etc. processes. Processes with salts of silver and mercury, mercury-silver printing (see also 772.18 Mercury processes); etc.

.17 Processes using copper salts

Obernetter copper printing process; ferrocupric, etc. processes

.18 Processes using mercury salts

Mercury printing. See also 772.16 Mercury-silver printing

.19 Other silver group processes

Catatipes, phosfate printing, etc. See also note under 772.1

.2 **Iron group processes**

Printing with ferric salts, heliografic processes, printing from tracings. See also 773 Iron dusting, pigment, etc. processes

.21 General questions

.22 Ferroprussiate processes

Blueprint or cyanotipe processes. Cyanofer, cyanografic, gum-ferric, etc. processes (also cald positiv ferrotipes, see also 772.14 Tintipes). See also 744.532 Blueprint reproduction of drawings, 772.52 Chromocyanotipes

772.23 Ferrogallic or iron gallate processes
Black line processes. Fisch, Colas, Nakahara, etc. processes

.24 Other processes using iron salts
Chrisotipe or chripotipe, Herschel amfitipe, Zöllner iodid of starch, etc. processes

.25 Processes using manganese salts
Manganic lactate printing, etc.

.27 Processes using cobalt salts
Lumière process, etc.

.28 Processes using nickel salts

.3 Platinum and ruthenium group processes
Processes using salts of precious metals

.31 Platinum processes

.311 General questions on platino-ruthenium group processes

.312 Platinum printing-out processes
Platinum processes by direct blackening

.32 Platinum development processes
Platinotipe processes. Cold and hot bath processes (sepia platinotipes or sepiatipes), platinum-silver processes (for silver processes in general see 772.1)

.33 Palladium processes Palladiotipes

.34 Gold " Aurotipes

.35 Osmium " .37 Rhodium processes

.36 Iridium " .38 Ruthenium "

.39 Other platino-ruthenium group processes

.4 Chromium group processes
For processes depending on insolubilizing dicromated colloids and those requiring staining see 773

.41 General questions

.42 Chromium processes
With copper, iron, etc. salts (chromocyanotipes, see also 772.22 Cyanotipe processes in general). See also 773.12 Chromium pigment processes

.43 Molibdenum processes

.45 Uranium " Uranotipes
Uranimum niepceotipes; mercuro-, platino-, etc. uranotipes; Bartlett process for gaslight printing; etc.

.46 Uranium collodion processes
Processes using uranium and collodion silver salts. Wothly process, wothlitipes. See also 772.14 Collodion processes in general

.47 Tungsten or wolfram processes

772.5 **Led group processes**

.52 Led processes .53 Thallium processes

.6 **Tin group processes**

.61 General questions .64 Zirconium processes

.62 Tin processes .65 Thorium "

.63 Titanium " .66 Actinium "

.7 **Vanadium group processes**

.71 General questions .75 Tantalum processes

.72 Vanadium processes .76 Niobium or columbium processes

.73 Antimony "

.74 Bismuth " .77 Polonium processes

.8 **Magnesium and cerium group processes**

.81 General questions

.82 Berillium or glucinum processes

.83 Magnesium processes

.84 Zinc "

.85 Cadmium "

.86 Processes using salts of rare earths Cerium group processes

.87 Cerium processes

.88 Aluminum "

.89 Other rare earth processes

May be divided like 546.6 (except for cerium and aluminum), e.g. 772.897 Indium processes

.9 **Processes using other metallic salts**

772.93–.94 may be divided like 546.32–.432, e.g. 772.9432 Processes using radium salts

773 Processes using colord mixtures and powders Imbibition and dye processes Bicromate processes

Bicromated and pigmented gelatin processes. See also 772 Photografic processes based on use of metals, 778.5342 Color cinematografy, 778.5542 Cinematografic color projection, 778.6 Color photografy in general

SUMMARY

773.1 **Pigment and carbon processes**

.2 **Powder or dusting-on processes**

.3 **Imbibition processes**

.4 **Processes using organic compounds**

.5 **Dye and anilin processes**

.6 **Photoceramics Photoenamels**

.7 **Processes using dye-forming organic compounds and sensitiv dyes**

.8 **Oil pigment processes**

.9 **Other**

773.1 **Pigment processes Carbon processes**

.11 General questions

.12 Mixtures sensitized by chromium salts

See also 772.42 Chromium printing processes in general

.121 General questions

.122 Without transfer

Mixture of colloid and pigment, gum-bicromate or 'bi-gum' printing processes (photomezzotint, photo-aquatint, artigue, etc. processes; carbografs, multicolor or multiple gum printing, etc.) Colloid layer coated with pigment (bicromated gelatin-sugar printing processes, etc.) Ink bicromate, gallate of iron, Lemling, etc. processes (see also 773.15 Ink printing). Chromotipes, cuprotipes, etc.

.123 Carbon transfer or autotipe processes

Carbon transparencies, etc.

.124 Pressure processes

See also 777.5 Woodburitipes

.125 Chemic transfer processes

Marion gum processes, mariotipes; ozotipes; ozobrome (see also 773.8 Oil ozobrome processes), carbro, etc. processes

.127 Policrome carbon (3-color, etc. carbon) processes

.15 Mixtures sensitized by iron salts

Ink printing (Sella printing process, etc. See also 773.122 Ink bicromate processes). Gum printing on bromids. See also 772.21–.24 Iron printing processes in general

.2 **Powder or dusting-on processes**

With chromium, led, iron, etc. salts; with asfalt mixtures, etc. Resinopigmentipes, anthrakotipes, Askau pigment printing process, plumbago process, peppertipes, etc. See also in 772 Chromium, led, iron, etc. processes in general

.3 **Imbibition processes**

Using differential tanning: by action of light (hydrotipes, Donisthorpe process, pinatipes, photopoligrafy, contretipe negativs, etc.), by development (Jos-Pé, etc. processes). Using indirect chemic tanning (kodacrome, etc. processes). See also 778.66 Multiple color prints in 1 layer

.4 **Processes using organic compounds**

See also 773.7 Processes using dye-forming organic compounds

.5 **Dye processes Anilin processes**

.51 General questions

.52 Using chromium salts

Willis anilin process, etc.

.53 Using chromium and vanadium salts

Endemann anilin, anilin vapor, phototincture, tinctorial, Villain, etc. processes. Photodyeing on fabrics, etc., photocromatic printing, etc. Dye mordant images, dye toning (see also 770.2836 Toning in general, 771.545 Toning dyes). Dyed colloid reliefs; etc.

.54 Eikonogen printing processes

773.6 **Photoceramics Photoenamels**

Ceramic processes, burnd in photografs, collodion or photografic cnamels. Carbon or pigment, dusting-on, substitution, etc. photoceramic processes (for carbon or pigment and dusting-on processes in general see 773.1–.2). Lambertipes, etc. See also 777.2 Photorelief cnamel processes

.7 **Processes using dye-forming organic compounds and sensitiv dyes**

Using leucobases of dyes (pinacromy, Koenig color process, etc.); diazo processes, diazotipes (primulin, ozalid, etc. processes; Kögel's 'Integral photografy', feertipes, etc.); using light-sensitiv dyes (bleach-out images, etc.); using dyes whose colors ar discharged in proportion to amount of chemic reagent present (chemic bleach-out images); using plant juices (nature printing; anthotipes, phisiotipes, etc.) See also 773.4 Processes using organic compounds in general

.8 **Oil pigment processes Pigmoil**

Bromoil (bromoil transfer, oil transfer, etc.); oil ozobrome (see also 773.125 Ozobrome processes in general)

.9 **Other**

774–777 Photomecanical processes

774 Photomecanical processes in general Processes with gelatin and printers ink

Process photografy, fatty ink processes on sensitized colloid surfaces, photoprints. See also 771.317 Process cameras

.1 **General processes Surface processes**

Collografic processes, collotipes, phototipes, photocollografs. Photofane, photoverrotipe, lichtdruck, etc. processes. Albertipes, artotipes, heliotipes, autocopyist processes, collogravure; sinop, indotint, etc. processes. See also 777.2 Photorelief collotipe enamel processes

.2 **Preparation of support**

.3 **" " sensitiv surface**

Sensitizing, drying, reticulation

.4 **Exposure to light Developing**

Camera operation; washing off unalterd bicromate and drying; preparing plate for printing or proofing, damping with glicerin, water, etc.

.5 **Printing Proofing or proving**

Materials, methods, etc. Plates, printing surfaces; rollers, presses; collotipe ink

.6 **Transfer processes**

Stripping, reversing, etc.

.7 **Special half-tone processes**

Photomezzotipe, collotipe phototint, etc.

774.8 **Color reproduction**

Special collotipe processes for color printing; chromocollotipes, chromocollografy, Vidal photografy, etc. See also 778.6 Color photografy

.9 **Other**

Processes for securing special designs; graf processes; photomecanical processes not using pressure

775 Photolithografy

Photografic printing on stone or analogous surfaces. See also 763 Lithografy

.1 **General photolithografic processes**

Bicromated colloid (glue, gelatin, albumin), bitumen, asfaltofotolithografic, etc. processes

.2 **Preparation of support**

.3 **" " sensitiv surface**

Sensitizing, etc. as in 774.3

.4 **Exposure to light Developing**

Dissolving and washing away undesired parts with water, turpentine, ether, alcohol, etc. Preparing stone for printing or proofing, damping, etc.

.5 **Printing Proofing or proving**

Materials, methods, etc. Printing surfaces, stone, etc.; rollers, presses; photolithografic ink; direct and offset photolithografy, etc.

.6 **Transfer processes Photolitho transfer**

Papirografy, papirotipe, papirotint; ink-photo, Shawcross amfitipe, etc. processes

.7 **Special half-tone processes**

Frey process, Eckstein lithofotogravure, etc.

.8 **Photocromolithografy**

Photomecanical color printing from stone. 'Autochrom', lithografic photoaquarel, photocrome, photo-autografy, lithografic autogravure, photo-oleograf, etc. See also 764 Chromolithografy, 778.6 Color photografy

.9 **Other**

776 Photometalografy

Surface printing from metal plates: photozincografy, photoalgrafy, photoaluminografy, etc. See also 763 Metalografy

.1 **General processes**

Using bitumen, chromium salt sensitizers, etc.; gisaldruck, etc.

.2 **Preparation of support**

Graining, etc.

.3 **Preparation of sensitiv surface**

Sensitizing, etc.

.4 **Exposure to light Developing**

Preparing plate for printing, damping, special etching to affect moisture retaining properties of surface, etc.

.5 **Printing**

Printing surfaces, zinc and aluminum plates; rollers, presses; photolithografic ink; direct and offset photometalografy, etc.

776.6 **Transfer processes Photometalografic transfer**

Ordoverax or true-to-scale process, etc.

.7 **Special half-tone processes**

Jaffétipe, photogranulotipe, etc.

.8 **Photocromometalografy**

Photomecanical color printing from metal plates, photostone. See also 764 Chromometalografy, 778.6 Color photografy

.9 **Other**

777 Photomecanical engraving

Photoengraving, photoetching

.1 **Photointaglio processes**

Photogliptografy, photogravure, heliogravure, photoaquatint. (See also 762 Intaglio engraving). Using a resist: photoglific engraving, autogravure, intagliotipe, etc. Photogravure by molding. Mecanical processes, chipping with burin or graver, hand and machine photogravure. Intaglio or inverted half-tone, lithografic photogravure. Galvanic photogravure: Obernetter lichtkupferdruck, etc. Etching on zinc (photo-zinco process), copper, bras, steel, glas (hyalofotografy), etc. Retuching, re-etching, finishing, routing, mounting, inking, printing or proofing. Rotary photogravure: Rembrandt process, mezzotintogravure, altogravure, similiheliogravure, Vandyke-gravure, etc. Plate graining, dusting, screen photogravure, etc.

.18 Color printing by photogravure

Photo-aquarel, mezzocrome, etc. See also 778.6 Color photografy

.2 **Photorelief processes Phototipografy**

Letterpres printing plates, line blocks, block processes. (See also 761 Relief engraving, 777.3 Half-tone processes) Bitumen (asfaltotipe), bicromated colloid, enamel (see also 773.6 Photografic enamels), etc. processes. Enameline, fish-glue, adamantin, collotipe (see also 774.1 Collotipe processes in general), etc. processes. Exposure; developing; etching (paniconografy, Gillotage, Gillotipe, etc.); printing or proving; photorelief transfer; etc.

.28 Photorelief color printing

3-color letterpres, etc. See also 778.6 Color photografy

.3 **Half-tone processes**

Discontinuous tone elements in photorelief printing. (See also 777.2 Photorelief processes in general). Half-tone screen processes: Dallastipe, Husnik leimtipe, isotipe, Swantipe; metzograf processes (expresstipie, luxotipe, etc.); wavy line, etc. processes. Reticulation processes: Dallastint, grain, etc. Mecanical cutting processes: acrograf, etc. Use of 2 or more negativs: Cocking phototint, etc.

.4 **Plate multiplication**

Photoelectrotiping, photogalvanografy. Electrofototipy, flexible metallic films, tithonotipes or tithnotipes, etc.

777.5 **Molding processes Photoplastografy**

Photostereotipes. Obtaining hollow or relief molds by solution, swelling, etc.; gelatin reliefs: Poitevin helioplastic process, Dallas rubbertipe, Mosstipe, etc.; plaster casts from photoreliefs. Molding by pressure, galvanoplastic molds. General processes for obtaining prints with gelatinous ink: Woodburitipes, photogliptic (see also 773.124 Chromium pigment processes using pressure); stannotipes; Goupil gravure, etc. Gelatinous ink printing

.6 **Photofiligranes Photolithofanes**

.7 **Photosculpture**

Photografs in relief, photografic basreliefs, cameos, etc.

.8 **Photoxilografy**

Photografs on wood, xylofotografs. See also 761.2 Wood engraving

.9 **Other photoengraving processes**

778 Special applications Applied photografy

SUMMARY

778.1	Industrial reproduction Copying	.4	Stereoscopic photografy
.2	Photografic projection	.5	Cinematografy
.3	Scientific applications: photomicrografy, telefotografy, radiografy, photosurveying, etc.	.6	Color photografy
		.7	Photografy under special conditions
		.8	Photografic recreations and illusions
		.9	Other applications

.1 **Industrial reproduction Copying**

Documentary photografy. (For copying and enlarging cameras see 771.318) Special processes for reproducing documents; luminografy, etc. (see also 778.39 Reflex photografy). Rectification of distorted images: parallelism, photocorrector, etc. Copying special types of objects; e.g. black and white work (engravings, line drawings, etc.), photografs (photogravures, collotipes, half-tone prints, etc.), colord objects, paintings, etc. (see also 778.6 Color photografy)

.11 General questions

.12 Reproduction in same scale as original

By direct printing, contact processes; copying industrial drawings: reflection copying processes (catafotografy, reflectografy, playertipes), anastatic processes, etc. By camera: using ultraviolet light, etc. See also 621.3827 Facsimile telegrafy, 744.53 Blueprint and photostat reproduction of drawings, 770.2854 Negativ duplication

.13 Enlarging Macrofotografy

Megatipes. Daylight, solar, artificial light, etc. enlarging. Enlarging by stripping (see also 770.2853 Film stripping). Gigantografy, etc. For enlargers see 771.318

.14 Reduction

See also 778.315 Microfotografy

778.2 Photografic projection

See also 771.318 Projection printers, 771.46 Viewing apparatus, 778.45 Stereografic projection, 778.55 Cinematografic projection, 778.65 Photografic color projection

.21 General questions

.22 Projection apparatus Projectors Lanterns

Optic or magic lantern, stereopticon, for projecting transparencies; epidiascope, for projecting images of translucent objects; aphengescope, opake lantern, episcope, for projecting images of opake objects (megascope, Kruss magic camera, poliopticon, auxanoscope, mirroscope, etc.) Lantern body, lamp housings and optic system or parts: lenses, condensers (see also 771.442 Photografic condensers), reflectors, objectivs, etc.

.23 Lantern illuminants

Special sources of light for projectors. May be divided like 771.44, e.g. 778.237 Electricity

.24 Projection screens

Including screen carriers, holders, frames, etc.

.25 Positivs and illustrations for projection

For viewing by transmitted or by reflected light. Transparencies, lantern slides, films, diapositivs, cristalotipes, hyalotipes, diagramatic lantern slides, catapositivs, etc.

.26 Projection accessories

Slide carriers or holders, carrier stages, slide changers and changing devices, focusing apparatus, flasher or lens caps, heat absorbers, lantern curtains, etc.

.27 Types of projections Operativ details

Projection of optic lantern views (operations with transparencies), of dissolving views, of epidiascopic views (operations with translucent illustrations and objects), of opake lantern views (operations with episcopic views)

.28 Texts to accompany projections

.29 Other topics

.3 Scientific applications Scientific photografy

.31 Photomicrografy

Photografy of minute objects by aid of microscope. Including general discussions of the use of the microscope in photografy. Apparatus, processes, etc. See also 578 Microscopy, 778.56 Cinematografic microfotografy and photomicrografy

.315 Microfotografy

Production of photografs of microscopic size by use of microscope. See also 778.14 Reduction

.316 Color photomicrografy and microfotografy

See also 778.6 Color photografy

.32 Telefotografy

See also 771.352 Telefoto lenses

778.33 Radiografy X-ray (Röntgen ray) photog-rafy

Skiagrafy, cathografy. Apparatus, processes, etc. X-ray cinematografy (see also 778.5 Cinematografy in general), stereoscopic radiografy (see also 778.4 Stereoscopy in general), etc. See also 537.53 X-rays as electrical phenomena in Phisics

.34 Fluorescent screen photografy

Invisible ray photografy by means of fluorescent screens. Effluviografs, skotografs, etc. Ultraviolet and infra- or ultrared photografy. See also 771.5345 Effects of emanations and vapors on sensitivity

.35 Aerial photografy

Aerial cameras, etc. See also 629.1356 Photografic equipment in Aeronautics, 771.316 Panoramic cameras, 778.38 Photogrammetry

.36 Panoramic photografy Wide angle work

See also 771.316 Panoramic cameras, 771.352 Wide angle lenses

.37 High speed photografy

Instantaneous photografy, snapshots. See also 771.36 Shutters

.38 Photogrammetry Photosurveying

Photografic mesuring. Phototopogravure, photografic map reproduction, photogrammetry of moving objects (see also 778.5 Cinematografy). See also 526.9 Surveying, 778.35 Aerial photografy

.39 Other scientific applications

Reflex photografy, etc. See also 778.1 Special processes for reproducing documents, luminografy, etc.

.4 Stereoscopic photografy Stereoscopy

Reproduction of relief. See also 778.33 Stereoscopic radiografy, 778.5341 Stereoscopic cinematografy

.41 General questions

.42 Stereofotografic apparatus Stereoscopic cameras

Stereofotoduplicon, stereoscopic transmitter, verascope; special printing apparatus, self-transposition frames, etc. See also 771.315 Binocular cameras, 778.5341 Special apparatus for stereoscopic cinematografy

.43 Practical operations

Stereoscopic prints and transparencies, stereograms, stereografs, anaglifs, hyperstereoscopy, hypertelestereoscopy, etc.

778.44 Stereoscopic viewing apparatus

Stereoscopes, directoscopes, cosmorama stereoscopes, stereoscopic spectacles, anaglifoscopes, etc. See also 771.46 General 2-lens viewing apparatus

.45 Stereoscopic projection

Special apparatus, etc. Direct, indirect (projected images viewd thru special intermediate devices: colord glasses, prisms, mirrors, shutters, etc.). See also 778.2 Photografic projection in general, 778.5541 Stereoscopic projection of moving pictures, 778.65 Photografic color projection

.48 Applications of stereoscopy

See also 778.5341 Stereoscopic cinematografy, 778.65 Stereoscopic color processes

.5 Moving picture photografy Cinematografy

Study and apparent reproduction of movement by photografy. Successiv photografs of moving objects, animated pictures. See also 771.125 Cinematograf studios, 771.295 Furnishings of cinematograf laboratories and studios, 778.33 X-ray cinematografy, 778.38 Photogrammetry of moving objects

SUMMARY

778.51	General questions	.55	Cinematografic projection
.52	Chronofotografy	.56	" photomicrografy
.53	Cinematografic photografy	.58	Special preparation of cinematograf films
.54	Direct vision apparatus		

.51 General questions

.52 Chronofotografy Photocronografy

Successiv photografs taken at known intervals. Apparatus and processes. Special cameras: gun and revolver cameras. Viewing apparatus: zoetrope or wheel of life; phenakistoscope, stroboscope, fantascope or kaleidorama; anorthoscope, tachiscope, theatrograf, zoopraxiscope; stereoscopic zoetrope, praxinoscope, animatograf, etc.

.53 Cinematografic photografy

Moving picture cameras, photoplay photografy, kinetocameras, kinotografs. For general questions see 778.51

.531 With intermittent motion mecanism

Dog (Demeney chronophotographe, etc.), Maltese cros, pin, etc. movements

.532 With continuous motion mecanism

Mutograf, etc.

.533 Special parts and devices of cinematografic cameras

Feeding devices and guides, sprockets, guide rollers, etc.; gates, image centering devices; shutters; film boxes or magazines; lens holders; control and winding devices, windups; film bobbins, reels or spools; safety devices, ventilation; antistatic devices; indicators, etc.

778.534 Special aspects of cinematografy

Multiple images on normal picture area, composit pictures, plate cinematograf cameras, high speed and slow motion cameras, trick films, etc. See also 778.554 Special aspects of cinematografic projection. Clas here discussions common to both

1 **Stereoscopic cinematografy**

Reproduction of relief in moving pictures. See also 778.4 Stereoscopy in general

2 **Color cinematografy**

Kinemacolor cameras, etc. See also 773 Processes using colord mixtures, etc., 778.6 Color photografy in general

3 **Endless film cameras**

4 **Talking films**

Moving pictures with sound. See also 534.4 Analisis of sounds

9 **Home and hand cinecameras**

Amateur and private cinematografy

.535 Taking texts and titles for cinematograf films

.538 Taking special subjects

May be divided like the whole classification, e.g. 778.53807 Newsreel photografy

.54 Direct vision apparatus

Living or animated pictures. Kinetoscopes (Edison's, etc.) Moving pictures on rectangular plates, round disks or cylinders, etc.; in book form; on radiating or turning leavs, mutoscopes, etc.

.55 Cinematografic projection

Moving picture projectors. For photografic projection in general see 778.2

.551 Intermittent projectors

Kammograf, etc.

.552 Continuous projectors

Biograf, bioscope, etc.

.553 Special parts and devices of cinematografic projectors

Condensers, illuminating systems, projection screens, etc. For scope of this number see note under 778.533

.554 Special aspects of cinematografic projection

Film splicing; linking cinematografic with other apparatus; plate projectors; projectors that can be slowd or stopt for projection of single pictures; advertizing projectors, etc. See also 778.534 Special aspects of cinematografy in general, where discussions common to both should be clast

Stereoscopic projection of moving pictures

For stereoscopic projection in general see 778.45

778.5542 **Projection in colors Color films**

Kinemacolor projectors, etc. Stencil, coloring and dyeing processes, etc. For photografic processes using colord mixtures, etc. see 773. See also 778.58 Retuching cinematograf films, 778.65 Photografic color projection in general

3 **Endless film projection**

4 **Projection of talking films**

See also 534.4 Analisis of sounds

9 **Home cineprojectors**

.56 Cinematografic microfotografy and photomicrografy

Spiroscope, spirograf. See also 778.31 Microfotografy in general

.58 Special preparation of cinematograf films

Assembling; mounting; mecanical preparation, perforation; verification, inspecting apparatus; modification of pictures, retuching (see also 778.5542 Coloring films); drawn films, with images and designs drawn by hand or machine (see also 741.58 Drawing of moving picture cartoons); lubrication; cleaning, polishing, varnishing; copying, darkening over, adding supplementary titles and script; etc.

.6 **Photografy of colors Color photografy**

Chromofotografy, heliocromy, natural color photografy, photocromatic processes, policromatic photografy; actinopolicromes; color cameras, etc. See also

771.356	Color filters
.5342	" sensitivity
773	Pigment, imbibition, dye, etc. processes
774.8	Collotipe color printing
775.8	Photocromolithografy
776.8	Photocromometalografy
777.18	Color photogravure
777.28	Photorelief color printing
778.1	Copying colord objects
.316	Color photomicrografy
.5342	" cinematografy
.5542	Cinematografic color projection

.61 General questions

.62 Photografic rendering of color tones

Rendering colors in monocrome. Isocromatic, orthocromatic, orthoskiagrafic; pancromatic; color contrast, etc. photografy. See also 771.5342 Color sensitivity

.63 Direct photografic color reproduction

Direct heliocrome. Becquerel, Hillotipe, Hunt, Kopp, Poitevin, Seebeck, etc. color processes

.64 Color photografy by interference and bending of light waves

Heliocromy by interference (Lippmann process, iridescent heliocromy, etc.), by prismatic or optical dispersion, by diffraction (Wood diffraction grating process, etc.)

778.65 Additiv processes

Photografic color projection. Subjectiv processes (Baudan, Ives, etc. color processes; chromograms, chromoscopes, kromskops, etc.); additiv projection in triple lantern; stereoscopic color processes, etc. See also 778.2 General photografic projection, 778.4 Stereoscopy and stereoscopic projection in general, 778.5542 Cinematografic color projection

.66 Subtractiv processes

Color reproduction by superposition of single monocrome impressions, etc. Processes using separate color filters and plates. Screen unit or screen plate color photografy: Dufay diopticrome, omnicolore, dusting-on, starch grain, lumière autocrome, agfa, etc. processes. Methods of registering screen unit plates (rotary screens, etc.). Stencil processes. Prints from colord plates: superposed transparencies, superposed images on opake supports (paper, etc.), multiple color prints contained in 1 layer (see also 773.3 Imbibition processes), prints from screen plates, etc. Dicromatic or 2 color processes (bipacks); tricromatic or 3 color processes (tripacks); multicolor processes (multipacks, citrocrome, etc.)

.68 Viewing apparatus

Special devices for viewing color photografs: autocromediascopes, etc.

.7 Photografy under special conditions

.71 Outdoor, open air and field photografy

.72 Indoor photografy

.73 Submarine photografy

Photografy of immerst objects

.75 Photografy in special climatic conditions

May be divided like 551.5; e.g. 778.752 Photografy under special conditions of temperature: arctic or cold, temperate, tropic or hot wether photografy

.8 Photografic recreations and illusions

Trick and freak photografy. Caricature photografy, distorted photografs (anamorfosis, photo-anamorfoscopes, etc.); multiple photografs of same object (polipose portraits, doubles, etc.; see also 771.3191 Multiplying apparatus); photografs of specters and illusions (psichic or thought photografy); photografs of exhalations, unexplaind effects, retinal impressions, etc. (psicografy, etc.); magic and sympathetic photografs (photografic barometers); silhouet photografy; luminous or phosforescent photografs (ephemeral photografy, etc.); composit portraiture (analitic or average portraiture, etc.). See also 771.352 Lenses for securing multiple or distorted images

.9 Other applications

May be divided like the whole classification for applications not classifiable elsewhere

779 Collections of photografs

May be divided like the whole classification, e.g. 779.2 Religious photografs

780 Music

All heds include the music itself and everything about it: score, libretto, history, criticism, etc. but, if preferd, the music itself may be separated from the works about it by prefixing to its clas numbers an M, with MS for sheet music

.07 Relations of individuals and public bodies

See also 781.91065 Instrument makers

.071 Musicians Music as a profession

Writings relating to persons interested in music: their caracter, life, condition, duties, activities; professional ethics. Only general and theoretic works ar clast here. For biografy see 927.8 or 780.92

1 **Composers**

2 **Interpreters and performers**

Bards, minstrels, troubadours, trouvères, minnesingers, meistersingers

3 **Prodigies**

.072 Critics Writers on music Music criticism in general Analisis

Analitic guides (program notes) of a general theoretic nature ar clast here; those relating to collected works of a special composer or to a single work ar clast with the corresponding works or work

.073 Amateurs The public

.074 Private patronage

.075 Official patronage Government subvention

4 **Registration of musicians, examination, standardization etc.**

.1 **Philosofy Esthetics Appreciation**

.13 Value Usefulness

Music in the home

.2 **Compends**

.3 **Dictionaries Cyclopedias**

.4 **Essays Addresses Lectures**

General collections. Essays etc. (either singly or collected) on a special topic ar clast with that topic

.5 **Periodicals**

.58 Year books Directories

.59 Kalendars Almanacs

.6 **Associations Societies Clubs**

.63 Congresses

.65 Commercial establishments Music stores

See also 780.85 Commercial circulars

.7 **Education Study and teaching**

.72 Music conservatories, schools, courses

Including methods of teaching music in general schools. For place of music in curriculums see 375.78

Geografic arrangement may, if wisht, be secured by uzing .729, divided like 930-999

.73 Concerts Concert programs

Geografic arrangement may, if wisht, be secured by uzing .739, divided like 930-999

.77 Instrumental and other methods distinctly suited to music

Dictation, ear training, pitch perception, eye training, music reading, sight reading

For general works; methods for a special instrument ar clast under number for that instrument

780.79 Music gatherings
Competitions. Festivals; festival programs
Divided like 930–999
For Vocal music see 784.5

.8 **Polygrafy Collections Quotations**

.81 Individual

.82 Collectiv

.821 Libraries or series

.822 Quotations from several authors

.85 Commercial circulars
For catalogs of music see 781.973; for instruments see 781.91; see also 780.65 Commercial establishments

.88 Varia

.881 Romances, poems, various literary fantasias on music and musicians

.883 Curiosa, anecdotes, critical and historical miscellany

.89 Volumes individually prepared
Made by binding together independent publications too miscellaneous to be clast more specificly; e. g. volumes of miscellaneous programs. Separate programs ar better clast with concert, festival, special production, etc.

.9 **History and other general local treatment**

.92 Music biografy
Preferably clast with other biografy

.93–.99 Music in special countries
Divided like 930-999

781 Theory and technic of music

.1 **Scientific theories**
Mathematics, physics, physiology, psychology of music. Colored audition. Acoustics. See also in physics 534 Sound

.2 **Elementary and general**

.21 General principles of music Music grammar

.22 Sound, from music viewpoint
Tonalities, cords, intervals, scales, pitch

.23 Nomenclature Terminology
For discussion; music dictionaries ar clast in 780.3

.24 Music notation
Music writing and stenografy. Notation in key of sol, fa, do, etc. Mesures, sistems of notation, neumes, tablature, music notation in cypher, notation for the blind. Reform proposals

.3 **Harmony Thorobass**
General bass, figured bass. Modulation

.4 **Counterpoint**
Canon. Fugue. Melody, melodic structure, melopoeia

.5 **Music form Kinds of music**

.508 Different kinds of instrumental music
08 and its subdivisions may be combined with different instruments; e. g.
786.2 Piano
786.20813 Minuets for piano
Selections from complete works, religious or theatric, ar clast with those works
For kinds of song see 784 Vocal music

781.508

1 **Movements of instrumental music**
11 Allegro Presto Vivace
12 Andantino Andante Lento Adagio Largo
13 Minuet Scherzo Allegretto Rondo
14 Finale
2 **Different instrumental compositions**
Each of following divisions is divided like 781.5081; e. g.
781.508223 Sonata minuets
786.208223 Sonata minuets for piano
21 Symphony as a music genus
22 Sonata Sonatina
23 Chamber music
3 **Forms of music**
31 Suite
32 Variation
33 Fantasia Arabesque Toccata Moment musical
34 Nocturne Meditation Songs without words
38 Adaptations Arrangements Potpourris
4 **Marches Pieces of martial step**
5 **Dances**
51 Old dances
Minuet, allemande, courant, pavan, etc.
52 Parlor dances Quadrils
521 Waltz
522 Polka
523 Mazurka
524 Polonaise
525 Quadril
526 Lancers quadril
527 Schottische
528 Galop
529 Other
53 Theater ballets
54 Juvenil dances
See also 796.13 Singing, dancing and marching games
57 National and caracter dances
See also Indoor entertainment 793.31
579 Special countries
Divided like 930–999
58 Artistic dances
See also Indoor entertainment 793.32
6 **Overtures Entr'actes Interludes**

.6 **Composition and execution**
Composition of a special kind of music is clast with that kind
.61 Composition in general
.62 Rhythm and meter Relation of poetry to music
.63 Execution
.631 Instrumentation
.632 Orchestration
5 **Profession of orchestra leader Direction of orchestras**
7 **Lyric and instrumental execution**
Interpretation of vocal and instrumental music

781.633 Instruments and voices
Score reading and playing. Memorizing Phrasing
.64 Adaptation Resolution Instrumental reduction Arrangements Transposition
.65 Improvisation
.66 Accompaniment
.67 Embellishment
.7 Theories and forms: racial, national, etc.
For works treating of *theory and form* from viewpoint distinctly racial, national, etc
See also 780.9 History and other general local treatment
Divided .71 Primitiv and savage peoples, .72 Peoples not otherwize provided for (e. g. gipsies), .73–.79 like 930–999 but, if wisht, ancient music may be clast under .8 divided like 930
.8 Ancient music: theories, modes and forms
Divided like 930; see last note under 781.7
.9 Various questions
.91 Music instruments in general
Temperament and harmony. Manufacture, repair, verification
Whatever concerns a group of instruments or an individual instrument is clast under corresponding division of 786–789
.91065 Makers Manufacturers
74 Museums and collections
.94 Different kinds of music in general
.95 Music curiosities
Music among animals; bird songs. See also 598.2 Birds
.96 Music literature in general
For general works. Librettos etc. for individual composers or works or groups of works ar preferably clast under corresponding numbers
.961 Works of dramatic authors
Libretttos, scenarios, opera poems, etc.
.962 Theater pieces with wel-known airs
Vaudevils, etc.
.963 Librettos or ballet poems
.964 Librettos or oratorio and secular cantata poems
.965 Librettos on sacred subjects
.969 Manuscripts, autografs, etc. of musicians
Preferably clast with subject, or, if chiefly interesting as manuscripts, in 091
.97 Music bibliografies
Only catalogs of music itself ar clast here. Bibliografy of writings relating to music is clast in 016.78
.971 General bibliografy of musical works
.973 Catalogs Lists of definit sources
1 Public libraries
2 Private libraries
3 Auction catalogs
4 Publishers and dealers
5 Works of special composers
.98 Publication
.981 Engraving Typografy Printing
.982 Publishing
.983 Sale Commercial questions
See also 780.65 Commercial establishments; 780.85 Commercial circulars

782 Dramatic music Theater music

As an alternativ to use of following subdivisions, all operas etc. may be arranged in a single alfabet by name of composer, or all grand opera may be so arranged under 782.1, or, with this latter as the general treatment for grand opera, an exception may be made by uzing 782.2 for Wagner, with works under this number arranged according to Special author tables printed on last pages after Relativ index

Selections for either voice or instruments may be clast here with the original works or, if preferd, under 784.21 Song selections, or with the different instruments

.08 Polygrafy Collections

Including collections of analises of and stories from operas by various composers. Analises of or stories from several works of a single composer or a single work ar clast with the works or work

.1 Grand opera

.2 Epic Wagnerian

.3 Other German grand opera

.4 French grand opera

.5 Italian grand opera

.6 Comic and satiric

.7 Opera bouffe

.8 Operettas and secular cantatas Vaudevils

For sacred cantatas see 783.4

.84 Parodies

.9 Pantomimes, masks, etc.

783 Church music Sacred music

See 245 Hymnology, sacred poetry, for hymns alone; if with tunes they go in 783.9; 786.8 Organ; 246.7-.8 Evangelistic use and Eucharistic music; 264.2 Public worship

.1 Organ and orchestral Accompaniment

.2 Liturgic music

.21 Mass Communion servises

Annotated missals

.22 Common of the mass: kyrie, gloria in excelsis, credo, sanctus, benedictus, Agnus Dei

.23 Proper of the season: offertory, gradual, tract, sequence

.24 Choral servis: antiphonal, responsiv

Vespers, Complins

.25 Plain song

.26 Litanies

.27 Lenten and penitential: Good Friday, reproaches

.28 Liturgic dramas and mysteries

Festivals: Christmas, Easter etc.

.29 Solemnities Solemn masses Solemn marches

Requiem masses. Processionals. Recessionals

.3 Oratorio Passion music

.4 Anthem Motet Sacred cantata

Polyphonic school, Palestrina. 16th century

.5 Chant: Gregorian, Anglican

.6 Chorale Tune Carol

.65 Christmas carols and popular canticles

783.7 Evangelistic: mission, revival Sunday school
.8 Choir: men and boys Quartet Chorus
.9 Congregational singing Psalmody Hymnody

784 Vocal music

With or without accompaniment
Dramatic music is clast under 782 and sacred music under 783
Vocal music is divided by kinds and if under each kind further subdivision is needed it may be made (1) by number of parts, (2) by kind of voice, according to table below, e. g. 784.306231 Duet ballads for tenor voices

.061 Solos
1 Children
2 Women
21 Soprano
23 Mezzo soprano
26 Contralto
3 Men
31 Tenor
32 Baritone
33 Bass
.062 Duets
.063 Trios
.064 Quartets
.065 Quintets
.066 Sextets
.067 Septets
.068 Choruses
1 Children only
2 Women "
3 Men "
4 Mixed choruses (men, women and children)
5 Vocal parts with choruses
.1 Glee Madrigal Round Catch
.2 Aria Cavatina Recitativ
e. g. in oratorio, mass, opera. Preferably clast with works from which they ar taken
.21 Extracts from theatric music scores
.22 " " masses and sacred music
.23 " " oratorios
.25 Recitativs Declamations with music Melologs
.3 Vocal chamber music
Ballads, songs, melodies: romantic, idyllic, sentimental. Dance songs
.35 Canzonets
.4 Folk songs
Songs of the soil, cowboy songs, sea songs, chanteys, drinking songs
See also 783.65 Christmas carols and popular canticles, 784.71 National airs, songs and hymns
49 By country Divide like 930–999
5 Festival; e. g. sängerbund, eisteddfod Competitiv

784.6 Student songs Society songs Choruses Community singing

.62 Student songs School songs

.622 College songs

Including those of professional and technical schools

.623 Secondary schools

.624 Elementary schools

Including children's songs in general

.625 Kindergartens

Preferably clast with Kindergartens, in '372.2152 Songs

.66 Societies

Masonic songs, etc. If *purpose* of society is emfasized rather than society itself clas under 784.68

.67 Corporations and trades

.672–.6799 Special trades

Divided like 620–699. For those not included in 620–699 uze 784.671 divided like main classification

.68 Topical songs

e. g. temperance, labor, baseball

Divided like main classification

.7 Other kinds of songs

.71 National airs, songs and hymns

Patriotic and political songs, martial songs

.719 By countries

Divided like 930–999

.75 Exotic songs

.752 Gipsy songs

.756 Negro " Negro minstrelsy Plantation songs

.8 Collected songs

.81–.85 may be subdivided like 784.061; e. g. 784.8131 Collection of tenor solos, 784.8231 Collection of tenor duets

.81 Solos

.82 Duets

.83 Trios

.84 Quartets

.85 Other part songs

.86 Choruses

Subdivided like 784.068

.87 Collections for male voices

.88 Collections for female voices

.89 Other special collections

.9 Art of musical expression

Technic and studies

.91 Generalities

.92 Physiology of voice and vocal organs

See also in physiology 612.78 Voice and speech

.93 Hygiene and vocal gymnastics

Voice culture, breathing, pronunciation

See also 808.5 Oratory

.94 Special methods or forms of musical expression

Tonic-sol-fa; tone formation, vowel exercises, solfeggios

.95 Applications to dramatic art

.96 Performance in concert Choruses

785 Instrumental ensemble

Symphonic and instrumental music. Grouping of instruments

.1 **Orchestral music**

For dramatic orchestral music, see 782; sacred, 783.1

.11 Symphony

Three or more movements; e. g. adagio, andante, allegro, allegretto, scherzo, finale, etc. Tone poems

.12 Wind instruments and bras band

.121 Wind instruments

.122 Bras band

.13 Military music

.15 Music of the chase

.2 **Music for orchestra, with voices**

For dramatic orchestral music see 782

.21 Symphonic singing Secular oratorios

.22 Dramatic, illustrativ, descriptiv, program, imitativ

e. g. Mendelssohn's Midsummer night's dream

.3 **Romantic, idyllic**

.4

.5 **Overture: e. g. Beethoven's Leonores**

.6 **Concerto: orchestral with solo instrument**

.7 **Chamber music**

Music suitable for a private house or small hall; written for several instruments playd in concert, from duets to nonets, without trying to make a special instrument distinctly prominent

Chamber music is divided by parts as follows:

.72 Duet	.76 Sextet
.73 Trio	.77 Septet
.74 Quartet	.78 Octet
.75 Quintet	.79 Nonet

.8 **Suite**

.9 **Arrangements, transcriptions, potpourris**

786 Keyboard instruments

.1 **Instruments playd with strings and keyboard**

.2 **Piano**

.22 History

.221 Erly forms Forerunners

Harpsicord, clavicord, spinet, virginal

.23 Manufacture Tuning Temperament Repairing

.3 **Instruction**

.31 Hand

.32 Touch

.33 Scales

.34 Octaves Cords Arpeggios

.35 Pedal

786.4 **Piano music** **General collections**
For piano concerto, see 785.6
.41 Sonata Sonatina Rondo
.42 Fantasia Arabesque
.43 Nocturne Meditation Romantic Descriptiv
Songs without words
.44 March and march form Polonaise Polka Mazurka
.45 Dance form: national, classic, idealized
.46 Modern dance music Society, festiv
.47 Artistic études For études for instruction, see 786.3
.48 Variations, transcriptions
.49 Arrangements
Four hands and more; e. g. orchestral music arranged for piano
.5 **Instruments with stops and air chambers**
.6 Organ
.62 History
.63 Bilding
.7 **Instruction**
.8 **Organ music** See also 783 Sacred music
.81 Sonata
.82 Fugue
.83 Preludes
.84 Interludes
.85 Postludes
.86 Offertories
.87 Voluntaries Improvisations
.88 Organ and piano
.89 Organ, piano, and orchestra
.9 **Parlor organ** **Cabinet organ** **Melodeon**

787 Stringd instruments

Including with each, history, manufacture, instruction, music, etc. Music for 2 instruments is put with the one most prominent in the composition. For keyboard stringd instruments see 786.1

Bowd

.1 **Violin**
.2 **Viola**
.3 **Violoncello**
.4 **Other**
.41 **Double bass** **Contra bass**

Plectral

.5 **Harp**
.6 **With strings and fingerboard** **Lute**
.61 Guitar
.65 Mandolin
.7 **Banjo**
.8 **Zither**
.9 **Other**
Ukelele, hurdy-gurdy, etc.

788 Wind instruments

Including with each, history, manufacture, instruction, music, etc.

Bras

.1 **Trumpet**
.2 **Trombone**
.3 **Cornet**
.4 **Horns and other bras wind instruments**
.41 French horn Hunting horn
.42 Saxhorn
.43 Saxophone
.44 Euphonium
.45 Ophicleide
.46 Key bugle
.47 Valv bugle
.48 Bass Tuba and contrabass tuba Serpent
.49 Other

Wood: flute group

.5 **Flute Waldflute Piccolo Fife Flageolet**

Wood: reed group

.6 **Clarinet Bass clarinet Bassethorn**
.7 **Oboe D'amore Da caccia Cor anglais**
.8 **Bassoon Double bassoon Bombardon**
.9 **Other reed wind instruments: bagpipe, alpenhorn, etc.**

789 Percussion and mekanical instruments

Percussion

.1 **Drum**
.2 **Cymbals**
.3 **Triangle**
.4 **Tambourine Castanets Bones**
.5 **Bels: chimes, carillon**
See also 654.7 Bel manufacture
.6 **Other percussion instruments: xylofone**

Mekanical

.7 **Barrel organ Orchestrion**
.8 **Music box**
.9 **Other mekanical instruments**
Mekanical pianos, phonografs, etc. Musical glasses

790 Amusements

For ethics of amusements, see 175

791 Public entertainment

Including summer resorts, amusement parks and museums discust from standpoint of public entertainment

For wrestling and other athletic sports see 796.8. For customs see 394

.1 Traveling shows

Clowns, mountebanks, jugglers, tightrope walkers, rope dancers; conjuring, ventriloquism, ministrel shows

For private performances see 793. For circuses see 791.3

.2 Concerts Floral games

Music and poetry competitions

.3 Circuses

Hippodromes, horse shows, circensian games

.4 Panoramas Magic lanterns Moving pictures Radio

Clas here general works on moving pictures as entertainment. For fotoplays see 792. For moving pictures as method of education see 371.33523

.5 Waxworks Miniature theaters Shadow pantomimes

Marionets, puppets, Punch and Judy

.6 Public fêtes

Fairs, pageantry, historic pageants, Mardi Gras, parades, cavalcades, illuminations, fireworks

.7 Public games and sports

Jousts, greast poles, see-saws, swings, merry-go-rounds, roller coasters, rinks

.8 Menageries Traind animals

Animal sports. Combats between and against animals: wrestling bears, bull-fights, dog fights, baiting badgers, cat and rat fights, cock fights, etc.

Traind or trick animals. For horse racing see 798.4; for racing other animals, 798.8

For zoologic gardens see 590.7

.9 Other

792 Theater Stage Dramatic art

Fotoplays. See also 782 Dramatic music; 793.1 Private theatricals. For architecture of theaters see 725.82; for dramatic literature see appropriate subdivisions under 800

.1 Serious drama Tragedy

Passion plays, miracle plays, morality plays

.2 Comedy Vaudevil

.3 Farce Pantomime

.4 Opera Lyric drama

.5 Comic opera

.6 Operetta and musical comedy

.7 Music halls

See 725.81

.8 Ballet Fairy scenes Choreografy

.9 Other

793 Indoor entertainment Parties

Including lawn parties, etc.

.1 Private theatricals

See also 792 Theater

.2 Entertainments requiring preparation

.22 Seasonal entertainments

Autumn, Christmas, Washington's birthday, May day

.24 Tableaux Charades

Living statuary, acted proverbs, game of caracters

793.3 Dancing
For choreografy and ballets see 792.8; for children's dances see 796.13
.31 Folk dances National dances
See also Music 781.50857
.32 Artistic dancing
Theatric dancing. Caracteristic dances. Classic dances: old Greek dances. Old French dances: minuet, gavot. For dances of North American Indians see 970.6
See also Music 781.50858
.33 Dances for 2 persons
Round dances: polka, waltz, mazurka, redowa, schottish, 2-step, tango etc.
.34 Dances for more than 2 persons (without accessory features)
Quadril, 4-step, lancers, Virginia reel, etc.
.35 Dances (with accessory features)
Cotillion, german, sword dance, etc.
.38 Balls
.3808 Programs, german cards, etc.
.382 Court or state balls
.384 Public balls
.386 Mask and fancy-dress balls
.4 Games of action
Blindman's buf, hot cockles, hunt the slipper
.5 Forfeit and trick games
.7 Games not caracterized by action
.71 Instructiv games
Including memory games
Alliteration, authors, logomachy, observation, spelling match, etc.
.72 Games of quick wit
Fish, flesh and fowl; prohibited words; etc.
.73 Guessing games Riddles Conundrums Puzzles
Identification, crambo, acrostics, anagrams, rebuses etc. For charades see 793.2
.74 Mathematical games
Including games requiring calculation
Quadralets, magic squares, etc.
.75 Table games
Angling, bobéchon, jackstraws, tiddledewinks etc.
.76 Ring games
Button, button; compliments; nonsense; scandal; etc.
.8 Parlor magic
Scientific amusements, including pseudoscience
.9 Other indoor diversions

794 Games of skil

.1 Ches
.2 Checkers and similar games
Drafts, gobang, agon, fanorona, halma etc.
.5 Marble solitaire Peg solitaire
For card solitaire see 795.43
.6 Bowling Skittles Ninepins Tenpins
For lawn bowling see 796.31
.7 Indoor ball games: cue, mallet, racket
Billiards, pool, carom, troco

795 Games of chance

.1 **Games with dice and bones**
Game of goose, tricktrack, backgammon, revertier

.2 **Wheel and top games**
Teetotum, roulette, steeplechase
For steeplechase, with significance of cross-country racing, see 798.45

.3 **Games dependent on drawing numbers or counters**
Lotto, biribi, keno, dominos, matador, mah jong

.4 **Card games**

.41 Games of skil
Piquet, imperial, écarté, euchre, triumf, poker, whist, omber, reversis, cribbage, Boston, skat, bridge, auction bridge, solo etc.

.42 Games of chance
Gleek, 31, rouge et noir, 30 and 40, Pope Joan, lansquenet, baccarat, faro, monte, truth, etc.

.43 Games based on position and skil
Patience, card solitaire, card tricks
For fortune-telling by cards see 133.324

.5 **Games dependent on articles tost or rolled**

796 Athletic and outdoor sports and games

Public playgrounds and athletic fields. For school games and athletics see 371.74

.00037 Rules, umpires etc.

.01 **Theory Purpose Value**

.02 **Compends**

.03 **Dictionaries Cyclopedias**

.04 **Essays Addresses Lectures**

.05 **Periodicals**

.058 Annuals Directories

.06 **Associations Societies Clubs**

.063 Congresses Conferences

.07 **Education Training Coaching**

.08 **Polygrafy**

.09 **History**
Divided like 930–999

.1 **Children's games Open air play**
See also under Kindergarten 372.215

.11 Games for smallest children
For toys and nursery play see 649.55

.12 Children's sand and seashore amusements

.13 Singing, dancing and marching games
Ring games, rounds and dances
See also Music 781.50854

.14 Activ games Chasing games
Leap frog, somersault, hide and seek, puss in corner, prisoner's base, etc
Counting-out games

.15 Aerial toys
Kite flying, aeroplanes, balloons

796.2 **Activ games with appliances**
For ball games see 796.3
.21 Shovelboard, hopscotch, swing, hoop, skipping rope
.23 Minor ground games
Marbles, jackstones, mumble the peg
.24 Pitching games
Quoits, horseshoe pitching, pitch and toss, tipcat
.25 Toss and catch games
Cup and ball, diabolo, bean bag
.26 Battledore and shuttlecock
.3 **Ball games Throwing games**
.31 Balls thrown directly by hand
Handball, field ball, Indian ball, cavalry ball, poison ball, lawn bowling, etc.
.32 Inflated ball thrown by hand
Basket ball, volley ball, pallone, etc.
.33 Inflated ball driven by foot
Football, soccer, Rugby, pushball, etc.
.34 Ball thrown with racquet
Tennis, la crosse, badminton, squash, etc.
.35 Ball driven by mallet or bat
.351 **Generalities**

Mallet games

.352 **Golf**
.353 **Polo**
.354 **Croquet, pall mall, etc.**
.355 **Field hockey**

Bat games

.357 **Baseball**
.358 **Cricket**
.37 Other throwing games
.38 Throwing sports
Javelin, spear, boomerang, discus, shot putting
.4 **Athletic exercizes Gymnastics Olympic games**
For physical education see 371.73; for hygiene see 613.7
.407 **Systems**

Light exercizes

.41 Calisthenics
Exercizes for strength and suppleness. Free exercizes, setting-up exercizes, dumb bells, barbells, Indian clubs, wands
.42 Marching Running Stilts
Cross country, distance, foot, marathon running; hurdle racing; sprinting; etc.

Hevy exercizes

.43 Jumping Vaulting Balancing
High jumping, broad jumping, springboard; pole vaulting, horse vaulting; balancing exercizes, mat work, pyramids; etc.
.44 Horizontal bars Parallel bars
.46 Trapeze Rings Ropes Ladders
.47 Acrobatism Contortion Tumbling

796.5 **Touring Climbing Pedestrianism Camping**

.51 Pedestrianism Walking

.52 Alpinism Mountain climbing

.521 **Guides: rules and rates**

For insurance of guides sec 368.41 Accident insurance

.522 **Dangers and accidents: precautions and rules**

For accidents not due to climbing see 551.3 landslides, 551.31 avalanches, 551.57 freshets. For maladies see 616 Pathology, and 612 Physiology, 612.27511 Mountain sickness, 616.12 Hart disturbances, 616.13 Hemorrhage of arteries, 616.243 Hemorrhage of lungs, 616.841 Vertigo

.523 **Calls and signals**

.53 Caravaning Touring

.54 Camping

.545 **Woodcraft**

.6 **Cycling**

Man-power locomotiv apparatus

Solely as sport

.7 **Automobiling**

Motor-driven vehicles

Solely as a sport

.8 **Athletic combats**

See also 791.8 for combats with animals

.81 Wrestling

.82 Olympic, Greco-Roman wrestling

.83 Boxing

.86 Fencing

For rules of dueling see 394.8

.862 **Quarterstaf fencing Singlestick**

.863 **Foil and sword**

.865 **Saber**

.9 **Ice and snow sports Ice carnivals**

.91 Skating

.92 Snow shoeing

.93 Skiing Ski-löbing Skijoring

.94 Sleighing Sledging

.95 Coasting Tobogganing

.96 Ice games

Ice hocky, bandy, curling, ice baseball

.97 Ice sports

Ice boating, cycling, horse racing

797 Boating and other water sports Aerostation

.1 **Boating**
Solely as a sport; for commercial navigation see 386, 387 and 656; for theory see 527

.12 With poles, paddles, oars, sails

.122 **Canoeing**
Paddling, sculling

.123 **Rowing** **Punting**

.124 **Sailing**
Yawl, catboat etc.

.125 **Motor boats**

.14 Yachts Racing Water carnivals
Launches, houseboats
For interschool races see 371.75

.15 Excursion boats

.17 Minor methods of navigation
Velocipeds, podoscafs, water toboggans, etc.

.2 **Swimming and diving**

.21 Swimming without apparatus

.22 " with "

.25 Games
Water polo, canoe polo, water quintain

.5 **Aerostation**
As a sport. For construction of air craft see 629.13, for commercial side see 387.7

798 Horsemanship Racing

As a sport. For care of horses see 636.1

.2 **Horsemanship**

.22 Training saddle horses

.23 Riding

.24 Riding schools Riding exhibitions

.4 **Horse racing** **Trotting**
Courses, tracks
Race horses: breeding, training; may, if preferd, be clast under 636.12

.45 Obstacle races Steeplechases

.6 **Carriage horses** **Spans**
See also 636.14

.62 Training carriage horses

.64 Driving Coaching

.66 Carriageways, drives Exhibitions of driving

.8 **Racing other animals**
Whippet racing

799 Fishing, hunting, target shooting

Solely as a sport. For trapping and hunting as an industry see 639.1; for fishing as an industry see 639.2–.6

.1 Fishing

.11 Freshwater fishing

.12 Angling

.13 Net fishing Seining

.14 Other methods of fishing

.15 Shore fishing

.16 Sea fishing .166 By oceans Divided like 551.46

.17 For special kinds of fish
Subdivided like 597

.2 Hunting

.21 Shooting game

.22 Hunting in open country and in covers

.23 Hunting with retrievers, pointers

.24 Bird hunting

.242 Land birds
Field and cover hunting

.243 Bay shooting Shore shooting Fenbirds

.244 Water fowl

.248 Special birds
Subdivided like 598

.25 Hunting with hounds, falcons, etc. Jack hunting, drag hunting
For general works on both dangerous and nondangerous animals, also nondangerous animals alone. For dangerous animals alone see 799.26. For special animals, dangerous or nondangerous, see 799.27

.26 Hunting dangerous animals

.261 Generalities

.262 Methods
Firearms, bolas, lasso, spear, boomerang, sling etc.

.27 Special animals
May be subdivided for 799.271–.278 like 599.1–.8, adding (if needed) man hunting as 799.2789, and classing creatures not included under 599 in 799.279 subdivided like 590, e. g. crocodile hunting 799.279814; or, if preferd, may be arranged alfabeticly by assigning Cutter book numbers from name of animal

.28 Hunting with camera Divided like 592–599

.29 By country
Divide like 930-999

.3 Shooting (otherwize than for game)
For shooting game see 799.21

.31 Target practis Trap shooting
With firearms: pistols, shotguns, rifles, carbines

.32 Archery: longbow, crossbow

.39 Other means of shooting
Catapult, airgun

Literature
Belles-lettres

The classification of literature is by *language*, not country, except that North and South American ar separated from other English. Canadian French goes with 840; Australian and Indian English with 820; South American Spanish with 860, etc. Numbers assignd to individual authors include only their *literary* works of that section and complete works which can not be divided. Books on other subjects go with their proper subjects, unless a ' special library ' attracts all the authors' works, lives, etc. An author writing in 2 periods has all his books put in the one where most of them belong. The literary forms of each literature may be divided by period like the poetry of that literature.

800 Literature: general works

801 Philosofy Theories Literary esthetics

802 Compends, outlines

803 Dictionaries, cyclopedias

804 Essays, lectures, addresses

Clas here collections of essays, addresses, lectures, etc. of which literature in general is the *subject*. For collections of essays in general, taken from various literatures, see 808.84; for collections of essays regarding a special literature see 04 under number for that literature, i.e. 810.4 Collections of essays *regarding* American literature; 820.4 for those regarding English literature, etc. For collections of literary essays belonging to a special literature see division 4 under number for that literature: i.e. Collections of American essays (by either 1 or several writers) 814, of English essays 824, etc. Collected essays on a special subject ar clast under number for that subject, i.e. 504 collections of essays on science in general or including 4 or more divisions of science, uzing similarly e.g. for collections covering the subject in general or 4 or more divisions of the subject 530.4, 572.04, etc. For a collection covering les than 4 divisions clas under number for 1st or most important

805 Periodicals, magazines, reviews

806 Societies: transactions, reports, etc.

807 Study and teaching of literature

808 Rhetoric Literary composition Collections

Divided .1 Poetry; may be divided like 811.02–.07 .2 Drama .3 Fiction .4 Essays .5 Oratory, see also 784.9 Vocal culture .6 Letters, epistolografy .7 Satire, humor

These heds, 808.1–.7, treat literature from standpoint of Rhetoric, and include only works *about* poetry, etc. regardless of language. For Collections see 808.8 below

.8 Collections from several literatures

Including books of quotations from several literatures

.81–.87 may be uzed like 808.1–.7, e.g. a collection of poetry from several literatures 808.81; of drama, 808.82. Clas collections relating to a special subject under number for that subject; e.g. Collections of writings on architecture 720.8, on history 908

.89 Collections of dialect, racial and local literatures

.891–.897 may be used like 808.1–.7, e.g. 808.891 General collections of dialect poetry from various literatures

.898 Collections representing special racial groups: Jews, negroes, etc.

May be divided ethnically like 400, under each 1–7 may be used like 808.1–.7, e.g. 808.8989642 Collections of negro drama. N.B. Emfasis here is on race, not language

.899 Collections of local poliglot literatures

To be used for collected literatures of countries employing more than 1 language. Divided geografically like 930–999, under each 1–7 may be used like 808.1–.7. Under each geografic number, 9 may be used for further geografic subdivision like the history number for that country followd by numbers for literary forms like 808.1–.7 e.g. 808.8994 Collections of European literature, 808.89941 European poetry; 808.89949941 Swiss poetry. For more detaild statement of procedure see note under 818.94

.9 Literatures of artificial and universal languages

Divided to language like 408.9, under each 1–8 may be used for literary form like 811–818, e.g. 808.922 Esperanto drama

809 History of literature in general

Including general histories of books and knowledge; e.g. Hallam's *Literature of the middle ages*. Divided like 808.1–.7, e.g. 809.3 History of fiction

.8 History of literatures of special racial groups: Jews, negroes, etc.

Divided as indicated under 808.898

.9 History of literature in general by locality

This provides for literary historics of countries using more than 1 language. Divided as indicated under 808.899, e.g. 809.94994 History of Swiss literature, 809.949941 History of Swiss poetry; 809.95942 History of the drama in India, 809.959494 History of the literatures of Rajputana

810 American literature

Includes Canadian English, which may be kept separate by prefixing C; c. g. C811 Canadian poetry

.1 Philosofy .2 Compends .3 Dictionaries .4 Essays on American literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History of American literature

811 American poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of American poetry

.1	**Colonial 1607–1776**	
.11	Sandys, George	1577–1644
.12	Bradstreet, Anne	1612–72
.13	Wigglesworth, Michael	1631–1705
.14	Green, Joseph	1706–80
.15	Livingston, William	1723–90
.16	Ferguson, Elizabeth	1739–1801
.2	**Post-revolutionary 1776–1830**	
.21	Trumbull, John	1750–1831
.22	Dwight, Timothy	1752–1817
.23	Barlow, Joel	1755–1812
.24	Freneau, Philip	1752–1832
.25	Alsop, Richard	1761–1841
.26	Pierpont, John	1785–1866
.27	Dana, Richard Henry	1787–1879
.28	Sprague, Charles	1791–1875
.29	Other poets	
.3	**Middle 19th century 1830–61**	
.31	Halleck, Fitz-Greene	1790–1867
.32	Poe, Edgar Allan	1809–49
.33	Bryant, William Cullen	1794–1878
.34	Longfellow, Henry Wadsworth	1807–82
.35	Read, Thomas Buchanan	1822–72
.36	Whittier, John Greenleaf	1807–92
.37	Lowell, James Russell	1819–91
.38	Whitman, Walt	1819–92
.39		
.4	**Later 19th century 1861–1900**	
.41	Stoddard, Richard Henry	1825–1903
.42	Hayne, Paul Hamilton	1831–86
.43	Stedman, Edmund Clarence	1833–1908
.44	Winter, William	1836–1918
.45	Miller, Cincinnatus Hiner (Joaquin)	1841–1913
.46	Taylor, Bayard	1825–78
.47	Lanier, Sidney	1842–81
.48	Gilder, Richard Watson	1844–1909
.49	Other	
.5	**Early 20th century 1901–**	

812 American drama

.1	**Colonial 1607–1776**	
.11	Warren, Mercy	1728–1814
.12	Godfrey, Thomas	1736–63
.13		
.2	**Post-revolutionary 1776–1830**	
.21	Tyler, Royall	1757–1826
.22	Dunlap, William	1766–1839
.23	Hillhouse, James Abraham	1789–1841
.24	Ingersoll, Charles Jared	1782–1862
.25		
.3	**Middle 19th century 1830–61**	
.31	Ritchie, Anna Cora Mowatt	1818–70
.32	Mathews, Cornelius	1817–89
.33	Boker, George Henry	1823–90
.34		
.4	**Later 19th century 1861–1900**	
.41		
.5	**Early 20th century 1901–**	

813 American fiction

.1	**Colonial 1607–1776**	
.2	**Post-revolutionary 1776–1830**	
.21	Brackenridge, Hugh Henry	1748–1816
.22	Rowson, Susanna	1762–1824
.23	Brown, Charles Brockden	1771–1810
.24	**Cooper, James Fenimore**	1789–1851
.25	Ware, William	1797–1852
.26	Neal, John	1793–1876
.27		
.28		
.29		
.3	**Middle 19th century 1830–61**	
.31	Thompson, Daniel Pierce	1795–1868
.32	Kennedy, John Pendleton	1795–1870
.33	**Hawthorne, Nathaniel**	1804–64
.34	Judd, Sylvester	1813–53
.35	Simms, William Gilmore	1806–70
.36	Melville, Herman	1819–91
.37	Stowe, Harriet Beecher	1812–96
.38		
.39		
.4	**Later 19th century 1861–1900**	
.41	Alcott, Louisa May	1832–88
.42	Eggleston, Edward	1837–1902
.43	Howells, William Dean	1837–1920
.44	Aldrich, Thomas Bailey	1836–1907
.45	Harte, Francis Bret	1839–1902
.46	James, Henry	1843–1916
.47	Hawthorne, Julian	1846–1934
.48	Burnett, Frances Hodgson	1849–1924
.49	Minor novelists	
.5	**Early 20th century 1901–**	

814 American essays

.1	**Colonial 1607–1776**		
.2	**Post-revolutionary 1776–1830**		
.21	Rush, Benjamin	1745–1813	
.22	Webster, Noah	1758–1843	
.23	Channing, William Ellery	1780–1842	
.3	**Middle 19th century 1830–61**		
.31	Ossoli, Margaret Fuller	1810–50	
.32	Giles, Henry	1809–82	
.33	Tuckerman, Henry Theodore	1813–71	
.34	**Holland, Josiah Gilbert**	1819–81	
.35	Whipple, Edwin Percy	1819–86	
.36	**Emerson, Ralph Waldo**	1803–82	See also 191.3
.37	Curtis, George William	1824–92	
.4	**Later 19th century 1861–1900**		
.41	Burroughs, John	1837–1921	
.42	Higginson, Thomas Wentworth	1823–1911	
.43	Mabie, Hamilton Wright	1846–1916	
.44	Matthews, Brander	1852–1929	
.45	Repplier, Agnes	1858–	
.5	**Early 20th century 1901–**		

815 American oratory

.1	**Colonial 1607–1776**		
.11			
.12			
.2	**Post-revolutionary 1776–1830**		
.21	Hamilton, Alexander	1757–1804	
.22	Ames, Fisher	1758–1808	
.23	Wirt, William	1772–1834	
.24	Randolph, John	1773–1833	
.25	Clay, Henry	1777–1852	
.26	Calhoun, John Caldwell	1782–1850	
.27	Webster, Daniel	1782–1852	
.28			
.29			
.3	**Middle 19th century 1830–61**		
.31	Everett, Edward	1794–1865	
.32	Choate, Rufus	1799–1859	
.33	Sumner, Charles	1811–74	
.34	Phillips, Wendell	1811–84	
.35	Chapin, Edwin Hubbell	1814–80	
.36	Beecher, Henry Ward	1813–87	
.4	**Later 19th century 1861–1900**		
.41			
.42			
.43			
.5	**Early 20th century 1901–**		

816 American letters

Subdivided by periods, like 811

817 American satire and humor

.1	**Colonial 1607-1776**	
.11	Ward, Nathaniel	1570–1653
.12	Alsop, George	1638– ?
.13	Byles, Mather	1706–88
.14	Hopkinson, Francis	1737–91
.15	Peters, Samuel Andrew	1735–1826
.2	**Post-revolutionary 1776–1830**	
.21	Story, Isaac	1774–1803
.22	Fessenden, Thomas Green	1771–1837
.23	Paulding, James Kirke	1779–1860
.24	**Irving, Washington**	1783–1859
.25	Verplanck, Gulian Crommelin	1786–1870
.26		
.27		
.3	**Middle 19th century 1830–61**	
31	Neal, Joseph Clay	1807–47
32	**Holmes, Oliver Wendell**	1809–94
.33	Shelton, Frederick William	1814–81
.34	Shillaber, B P (Mrs Partington)	1814–90
.35	Saxe, John Godfrey	1816–87
.36	Cozzens, Frederick Swartout	1818–69
.37	Browne, C: F (Artemus Ward)	1834–67
.38	Haliburton, Thomas Chandler	1796–1865
.39	Other satirists and humorists	
.4	**Later 19th century 1861–1900**	
.41	Warner, Charles Dudley	1829–1900
.42	Locke, David Ross (P V Nasby)	1833–88
.43	Burdette, Robert J	1844–1914
.44	Clemens, S: L (Mark Twain)	1835–1910
.45	Carleton, William	1845–1912
.46	Shaw, Henry W (Josh Billings)	1818–85
.47	Nye, Edgar Wilson (Bill Nye)	1850–96
.48	Bangs, John Kendrick	1862–1922
.49	Other satirists and humorists	
.5	**Early 20th century 1901–**	

818 American miscellany

.3 Middle 19th century 1830–61

.31 Thoreau, Henry David 1817–62

.32 Mitchell, Donald Grant (Ik Marvel) 1822–1908

.4 Later 19th century 1861–1900

.5 Early 20th century 1901–

.9 American (U. S.) dialect, racial and local literature

For Canadian English literature see 819

.91 General questions

.911–.918 may be used for literary forms like 811–818, e.g. 818.911 American dialect poetry

.92 American literature according to nativ language combination or racial element represented

Swedish-American, Italian-American, etc. Divided like 820–899, e.g. 818.92397 Swedish-American dialect literature, 818.923977 Swedish-American humor; 818.92924 Jewish American literature; 818.92964 Negro American literature

.94–.99 American regional and local literature

Divided geografically like 974–979. Each step in the geografic subdivision may be further subdivided by 1–8 for literary forms like 811–818 with 9 used for further geografic subdivision like that of the area under which it falls; each of these in turn subdivided by literary forms 1–8, with 9 used for the next step in geografic subdivision followd by further subdivision by literary forms, and so on to as minute degree as may be desired. See illustration below. Alfabetic arrangement may be substituted at any point if preferd

.94 Literature of New England and North Atlantic states

.941–.948 literary forms (poetry, drama, etc.) like 811–818, e.g. 818.941 New England poetry

.949 divided by states like 974

1 Maine literature

11–18 literary forms, e.g. 818.94911 Maine poetry

19 Literature of Maine counties

Divided like 974.1

191 Literature of Aroostook co

1–8 literary forms, e.g. 818.9491911 Poetry of Aroostook co

9 Local Aroostook

192 Literature of Somerset co

1–8 literary forms, e.g. 818.9491921 Poetry of Somerset co

89 Local Somerset

9 Literature of Piscataquis co

91–98 literary forms, e.g. 818.94919291 Poetry of Piscataquis co.

99 Local Piscataquis

193 Literature of Penobscot co

1–8 literary forms, e.g. 818.9491931 Poetry of Penobscot co.

9 Local Penobscot

Etc.

819 Canadian English literature

For French Canadian literature use 848.99791

.1–.8 Literary forms like 811–818, e.g. 819.1 Canadian poetry

.89 Canadian provincial and local literature

Divided to provinces like 971, under each 1–8 Literary forms, 9 further local, divided like history number for province (as explaind in note under 818.94), e.g. 819.8911 British Columbia poetry

.9 Other American English

For method of subdivision under each section see note and illustrations under 818.94

.92 Mexican English

.929 Mexican local divided like 972.1–.7

.93 Central American English

.939 Local divided like 972.8

.94 West Indies English

.949 Local divided like 972.9

.98 South American English

.989 Local divided like 980

820 English literature

Canadian literature may be clast as British, if preferd, but separated by prefixing C to 820. See note to 810

820.1 Philosofy .2 Compends .3 Dictionaries .4 Essays on English literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

821 English poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of English poetry

.1	**Early English 1066–1400**	
.11	Layamon	1150–1207
.12	Ormin	1187–1237
.13	Robert of Gloucester	1245–1307
.14	Minot, Lawrence	1313–52
.15	Langland, William	1332–99
.16	Barbour, John	1316–95
.17	**Chaucer, Geoffrey**	1340–1400
.18	Gower, John	1325–1408
.19	Minor writers	
.2	**Pre-Elizabethan 1400–1558**	
.21	Lydgate, John	1369–1461
.22	Skelton, John	1460–1529
.23	Dunbar, William	1460–1520
.24	Douglas, Gavin	1474–1522
.25	Hawes, Stephen	1483–1509
.26	Lyndsay, Sir David	1490–1555
.27	Wyatt, Sir Thomas	1503–42
.28	Surrey, Henry Howard, earl of	1517–47
.29	Minor writers	
.3	**Elizabethan 1558–1625**	
.31	**Spenser, Edmund**	1553–99
.32	Sidney, Sir Philip	1554–86
.33	Daniel, Samuel	1562–1619
.34	Drayton, Michael	1563–1631
.35	Davies, John	1569–1626
.36	Drummond, William	1585–1649
.37	Fletcher, Giles and Phineas	1585–1650
.38	Herbert, George	1593–1632
.39	Minor writers	
.4	**Post-Elizabethan 1625–1702**	
.41	Suckling, Sir John	1609–42
.42	Crashaw, Richard	1616–50
.43	Herrick, Robert	1591–1674
.44	Waller, Edmund	1605–87
.45	Lovelace, Richard	1618–58
.46	Cowley, Abraham	1618–67
.47	**Milton, John**	1608–74
.48	**Dryden, John**	1631–1700
.49	Minor writers	

821.5	**Queen Anne** Early 18th century	1702–45	
.51	Prior, Matthew	1664–1721	
.52	Parnell, Thomas	1679–1717	
.53	**Pope, Alexander**	1688–1744	See also 827.55
.54	Ramsay, Allan	1686–1758	
.55	Young Edward	1684–1765	
.56	Thomson, James	1700–48	
.57	Collins, William	1721–59	
.58	Shenstone, William	1714–63	
.59	Minor writers		
.6	**Later 18th century** Pre-revolutionary	1745–1800	
.61	Gray, Thomas	1716–71	
.62	Akenside, Mark	1721–70	
.63	Chatterton, Thomas	1752–70	
.64	Goldsmith, Oliver	1728–74	
	See also 823.64 and 824.66		
.65	Cowper, William	1731–1800	
.66	Macpherson, James	1738–96	
.67	**Burns, Robert**	1759–96	
.68	White, Henry Kirke	1785–1806	
.69	Minor writers		
.7	**Early 19th century** Post-revolutionary	1800–37	
.71	Wordsworth, William	1770–1850	
.72	Coleridge, Samuel Taylor	1772–1834	
.73	Southey, Robert	1774–1843	
.74	Scott, Sir Walter	1771–1832	See also 823.73
.75	Moore, Thomas	1779–1852	
.76	Byron, George Gordon Noel, 6th lord	1788–1824	
.77	Shelley, Percy Bysshe	1792–1822	
.78	Keats, John	1795–1821	
.79	Minor writers		
.8	**Victorian period**	1837–1900	
.81	Tennyson, Alfred, 1st baron	1809–92	
.82	Browning, Elizabeth Barrett	1809–61	
.83	Browning, Robert	1812–89	
.84	Rossetti, Dante Gabriel	1828–82	
.85	Morris, William	1834–96	
.86	Swinburne, Algernon Charles	1837–1909	
.87	Bridges, Robert Seymour	1844–	
.88	Watson, Sir William	1858–	
.89	Minor writers		
.91	**Early 20th century**	1901–	

822 English drama

.1	**Early English**	1066–1400
.11	Chester plays	
.12	Coventry plays	
.13	Townley plays	

822.2	Pre-Elizabethan 1400–1558		
.21	Heywood, John	1506–65	
.22	Udall, Nicholas	1505–64	
.23	Bale, John	1495–1563	
.3	Elizabethan 1558–1625		
.31	Greene, Robert	1561–92	
.32	Marlowe, Christopher	1564–93	
.33	**Shakspere, William**	1564–1616	
.34	**Jonson, Ben**	1574–1637	
.35	**Beaumont, Francis**	1584–1616	
	and Fletcher, John	1579–1625	
.36	Webster, John	1582–1652	
.37	Massinger, Philip	1584–1640	
.38	Ford, John	1586–1639	
.39	Minor writers		
.4	Post-Elizabethan 1625–1702		
.41	Davenant, Sir William	1605–68	
.42	Etherege, Sir George	1637–88	
.43	Crowne, John	1644–99	
.44	Wycherly, William	1640–1715	
.45	Otway, Thomas	1651–85	
.46	**Congreve, William**	1670–1729	
.47	Vanbrugh, Sir John	1666–1726	
.48	Farquhar, George	1678–1707	
.49	Minor writers		
.5	Queen Anne Early 18th century 1702–45		
.51	Dennis, John	1657–1734	
.52	Southerne, Thomas	1660–1746	
.53	Centlivre, Mrs Susannah (Freeman)	1668–1723	
.54	Cibber, Colley	1671–1757	
.55	Rowe, Nicholas	1674–1718	
.56	Gay, John	1688–1732	
.57	Lillo, George	1693–1739	
.58			
.59	Minor writers		
.6	Later 18th century 1745–1800		
.61	Garrick, David	1716–79	
.62	Foote, Samuel	1721–77	
.63	Colman, George, the elder	1732–94	
.64	Home, John	1724–1808	
.65	Cumberland, Richard	1732–1811	
.66	**Sheridan, Richard Brinsley**	1751–1816	See also 825.6*d*
.67	Inchbald, Mrs Elizabeth (Simpson)	1753–1821	
.68			
.69	Minor writers		
.7	Early 19th century 1800–1837		
.71	Baillie, Joanna	1762–1851	
.72	Knowles, James Sheridan	1784–1862	
.8	Victorian period 1837–1900		
.91	Early 20th century 1901–		

823 English fiction

.1	**Early English** 1066-1400		
.2	**Pre-Elizabethan** 1400-1558		
	More's *Utopia* Prefer 321.07 Ideal states		
.3	**Elizabethan** 1558–1625		
	Lyly's *Euphues*		
.4	**Post-Elizabethan** 1625–1702		
.41	Harrington, James	1611–77	
.42	**Bunyan, John**	1628–88	
.43	Mackenzie, George	1636–91	
.44	Behn, Aphra	1640–89	
.5	**Queen Anne** 1702–45		
.51	Defoe, Daniel	1661–1731	
.52	Fielding, Henry	1707–54	
.6	**Later 18th century** 1745–1800		
.61	Richardson, Samuel	1689–1761	
.62	Sterne, Laurence	1713–68	
.63	Smollett, Tobias George	1721–71	
.64	**Goldsmith, Oliver**	1728–74	
	See also 821.64 and 824.66		
.65	Mackenzie, Henry	1745–1831	
.66	Arblay, Frances (Burney), madame d'	1752–1840	
.67			
.68			
.69	Minor writers		
.7	**Early 19th century** 1800–37		
.71	Lewis, Matthew Gregory	1775–1818	
.72	Edgeworth, Maria	1767–1849	
.73	**Scott, Sir Walter**	1771–1832	See also 821.74
.74	Austen, Jane	1775–1817	
.75	Porter, Jane	1776–1850	
.76	Peacock, Thomas Love	1785–1866	
.77	Galt, John	1779–1839	
.78	Marryat, Frederick	1792–1848	
.79	Minor writers		
.8	**Victorian period** 1837–1900		
.81	Brontë, Charlotte	1816–55	
.82	**Thackeray, William Makepeace**	1811–63	
.83	**Dickens, Charles**	1812–70	
.84	Lytton, Edward George Bulwer, 1st baron	1803–73	
.85	Kingsley. Charles	1819–75	
.86	Beaconsfield, Benjamin Disraeli, 1st earl of	1805–81	
.87	Trollope, Anthony	1815–82	
.88	Cross, Mary Ann (Evans) Lewes [George Eliot]	1819–80	
.89	Minor writers		
.91	**Early 20th century** 1901–		

824 English essays

.3	**Elizabethan** 1558–1625		
	Francis Bacon 1561–1626		
.4	**Post-Elizabethan** 1625–1702		
	John Locke 1632–1704		
.5	**Queen Anne** 1702–45		
.51	Shaftsbury, Anthony Ashley Cooper, 3d earl of	1671–1713	
.52	Addison, Joseph	1672–1719	
.53	Steele, Sir Richard	1671–1729	
.54	Budgell, Eustace	1686–1737	
.55			
.56			
.57			
.58			
.59			
.6	**Later 18th century** 1745–1800		
.61	Moore, Edward	1712–57	
.62	Kames, Henry Home, lord	1696–1782	
.63	Johnson, Samuel	1709–84	
.64	Hume, David	1711–76	See also 192.4
.65	Hawkesworth, John	1715–73	
.66	Goldsmith, Oliver	1728–74	
	See also 821.64 and 823.64		
.67	Gibbon, Edward	1737–94	
.68			
.69	Minor writers		
.7	**Early 19th century** 1800–37		
.71	Mackintosh, Sir James	1765–1832	
.72	Smith, Sydney	1771–1845	
.73	Jeffrey, Francis, lord	1773–1850	
.74	Brougham, Henry, 1st baron	1778–1868	
.75	Lamb, Charles	1775–1834	
.76	Hazlitt, William	1778–1830	
.77	Hunt, Leigh	1784–1859	
.78			
.79	Minor writers		
.8	**Victorian period** 1837–1900		
.81	De Quincey, Thomas	1785–1859	
.82	Carlyle, Thomas	1795–1881	
.83	Macaulay, Thomas Babington, 1st baron	1800–59	
.84	Helps, Sir Arthur	1817–75	
.85	Arnold, Matthew	1822–88	
.86	Ruskin, John	1819–1900	
.87	Pater, Walter Horatio	1839–94	
.88	Gosse, Sir Edmund William	1849–	
.89	Minor writers		
.91	**Early 20th century** 1901–		

825 English oratory

For 'speakers' see 808.8

Subdivided by periods like 821

.6	**Later 18th century 1745–1800**		
.61	Chatham, William Pitt, 1st earl of	1708–78	
.62	**Burke, Edmund**	1729–97	
.63	Fox, Charles James	1749–1806	
.64	**Sheridan, Richard Brinsley**	1751–1816	See also 822.66
.65	Grattan, Henry	1750–1820	
.66	Pitt, William	1759–1806	

826 English letters

Subdivided by periods like 821

.2	**Pre-Elizabethan 1400–1558**		
	Paston letters		
.5	**Queen Anne 1702–45**		
.51	Montagu, Lady Mary (Pierrepont) Wortley	1690–1762	
.52	Chesterfield, Philip Dormer Stanhope, 4th earl of	1694–1773	
.53			
.6	**Later 18th century 1745–1800**		
.61	Orford, Horace Walpole, 4th earl of	1717–97	
.62	Montagu, Mrs Elizabeth (Robinson)	1720–1800	

827 English satire and humor

.2	**Pre-Elizabethan 1400–1558**	
.21	Barclay, Alexander	1475–1552
.3	**Elizabethan 1558-1625**	
.31	Gascoigne, George	1537–77
.32	Harington, Sir John	1561–1612
.33	Hall, Joseph	1574–1656
.34	Marston, John	1575–1634
.35	Donne, John	1573–1631
.36		
.37		
.38		
.39		
.4	**Post-Elizabethan 1625-1702**	
.41	Wither, George	1588–1667
.42	**Butler, Samuel**	1612–80
.43	Marvell, Andrew	1620–78
.44	D'Urfey, Thomas	1625–1723
.45	Oldham, John	1653–83
.46	Brown, Thomas	1663–1704
.47	King, William	1663–1712
.48	Garth, Sir Samuel	1665–1719
.49	Minor writers	

827.5 Queen Anne 1702-45
.51 Ward, Edward 1667–1731
.52 Swift, Jonathan 1667–1745
.53 Mandeville, Bernard de 1670–1733
.54 Arbuthnot, John 1675–1735
.55 Pope, Alexander 1688–1744 See also 821.53
.6 Later 18th century 1745–1800
.61 Churchill, Charles 1733–65
.62 Amory, Thomas 1691–1788
.63 Whitehead, Paul 1710–74
.64 Junius *pseud.* 1679–1772
.65 Wolcott, John [Peter Pindar] 1738–1819
.7 Early 19th century 1800–37
.71 Gifford, William 1757–1826
.72 Hood, Thomas 1798–1845
.8 Victorian 1837–1900
.81 Jerrold, Douglas 1803–57
.91 Early 20th century 1901–

828 English miscellany

Anecdotes, ana, epigrams, quotations, etc. If illustrativ of any special subject (e.g. biografy, history, science, art), go with that subject. If general they go in 828; if limited to any period, they take the same divisions as 821. For riddles, see 398.6; Proverbs, see 398.9. The same rule applies to other languages in 838, 848, etc.

.99 English dialect and local literature
.991 General questions
1–8 Literary forms like 811–818, e.g. 828.9912 English dialect drama
.992 English county and local literature
Divided like 942 as explaind in note and illustrations under 818.94; e.g. 828.9929 Welsh English literature, 828.99292 Welsh English drama; 828.99299 Welsh English local literature divided like 942.9, e.g. 828.992992 Literature of Carnarvon, 828.9929925 Carnarvon oratory; 828.9929929 Merioneth literature, 828.99299295 Merioneth oratory
.993 Irish English literature
For literature in Irish language use 891.62
1–8 Literary forms like 811–818, e.g. 828.9931 Irish English poetry
9 Irish local
96–99 divided as explaind under 818.94 like 941.6–.9, e.g. 828.99396 Ulster English literature, 828.993961 Ulster English poetry, 828.9939691 Antrim English literature
.994 Scotch English literature
For literature in Scotch language use 891.63
1–8 Literary forms, e.g. 828.9943 Scotch English fiction
9 Scotch local
91–94 divided as explaind under 818.94 like 941.1–.4, e.g. 828.99491 English literature of Northern Scotland, 828.9949191 English literature of Shetland
99 Other European English
993–999 divided like 943–949 as explaind under 818.94, e.g. 828.994993 English literature written by Germans, 828.9949931 German English poetry; 828.99499393 Bavarian English literature
.995–.996 and .999 Other English literature
Divided as explaind under 818.94 like 950–960 and 999, e.g. 828.9994 Australian English literature. For English literature of North and South America see 810–819

829 Anglo-Saxon literature

.1 Poetry
.2 Cædmon
.3 Beowulf
.4 Cynewulf
.5 Homilies and religious
.6 Ælfric
.7 Alfred the Great
.8 Miscellaneous
.9 Historic and biografic

830 German literature

830.1 Philosofy .2 Compends .3 Dictionaries .4 Essays, lectures and addresses on German literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

831 German poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of German poetry

.1	**Before the Crusades**	–1150	
.11	*Hildebrandslied*		
.12	Otfried		
.13	*Ludwigslied*		
.14	*Muspilli*		
.2	**Middle high**	1150–1300	
.21	*Nibelungenlied*		
.22	*Gudrun*, and minor folk epics		
.23	Heinrich von Veldeke	–1200	See also 839.311[illegible]
.24	Wolfram von Eschenbach		
.25	Gottfried von Strassburg		
.26	Hartmann von Aue	1170–1220	
.27	Walther von der Vogelweide	1170–1230	
.28	Ulrich von Lichtenstein	1199–1276	
.29	Minor writers		
.3	**Period of decline**	1300–1517	
.31	Horneck, Ottokar von		
.32	Hadamar von Laber		
.33	Hermann von Sachsenheim	–1458	
.34	Büheler, Hans *Die sieben weisen meister*	1414–	
.35	Kaspar von der Röhn *Das heldenbuch*		
.36	*Theuerdank*		
.37	*Die Haimonskinder*		
.38	Mastersingers		
.39	Minor writers		
.4	**Reformation; new high**	1517–1625	
.41	Agricola, Martin	1486–1556	
.42	Waldis, Burkard	1490–1558	
.43	Alberus, Erasmus	1500–53	
.44	**Sachs, Hans**	1494–1576	
.45	Ringwaldt, Bartholomäus	1530–99	
.46	Rollenhagen, Georg	1542–1609	
.47	Andreä, Johann Valentin	1586–1654	
.5	**Period of imitation**	1625–1750	
	The Silesian schools		
.51	Opitz von Boberfeld, Martin		1597–1639
.52	Flemming, Paul		1609–40
.53	Logau, Friedrich von		1604–55
.54	Gerhardt, Paul		1607–76
.55	Hofmannswaldau, Christian Hofmann von		1618–79
.56	Zesen, Philipp von		1619–89
.57	Brockes, Barthold Heinrich		1680–1747
.58	Bodmer, Johann Jakob		1698–1783
.59	Minor writers		

831.6	**Classic period 1750–1830**	
	For Göthe and Schiller, see 832.6	
.61	Gellert, Christian Fürchtegott	1715–69
.62	**Klopstock, Friedrich Gottlieb**	1724–1803
.63	Bürger, Gottfried August	1748–94
.64	**Herder, Johann Gottfried von**	1744–1803
.65	Voss, Johann Heinrich	1751–1826
.66	Körner, Karl Theodor	1791–1813
67	Hölderlin, Johann Christian Friedrich	1770–1843
.68	Platen Hallermünde, August, graf von	1796–1835
.69	Minor writers	
.7	**Postclassic period 1830–56**	
.71	Arndt, Ernst Moritz	1769–1860
.72	Eichendorff, Joseph, freiherr von	1788–1857
.73	Uhland, Johann Ludwig	1787–1862
.74	Rückert, Friedrich	1789–1866
.75	**Heine, Heinrich**	1799–1856
.76	Niembsch von Strehlenau, Nikolaus	1802–50
.77	Auersperg, Anton Alexander, graf von [Anastasius Grün]	1806–81
.78	Freiligrath, Ferdinand	1810–76
.79	Minor writers	
.8	**Later 19th century 1856–1900**	
.81	Schefer, Leopold	1784–1862
.82	Kinkel, Johann Gottfried	1815–82
.83	Geibel, Emanuel	1815–84
.84	Bodenstedt, Friedrich Martin	1819–92
.85		
.86		
.87		
.88		
.89	Minor writers	
.91	**Early 20th century 1901–**	

832 German drama

.5	**Period of imitation 1625–1750**	
.51	Gryphius, Andreas	1616–64
.52	Lohenstein, Daniel Casper	1635–83
.53	Weise, Christian	1642–1708
.54	Gottsched, Johann Christoph	1700–76
.55	Gottsched, Luise Adelgunde Victorie (Culmus)	1713–62
.6	**Classic period 1750–1830**	
.61	**Lessing, Gotthold Ephraim**	1729–81
.62	**Göthe, Johann Wolfgang von**	1749–1832
.63	**Schiller, Johann Christoph Friedrich**	1759–1805
.64	Klinger, Friedrich Maximilian	1753–1831
.65	Iffland, August Wilhelm	1759–1814
.66	Kotzebue, August Friedrich Ferdinand von	1761–1819
.67	Werner, Friedrich Ludwig Zacharias	1768–1823
.68	Kleist, Heinrich Bernt Wilhelm von	1777–1811
.69	Minor writers	

832.7	**Postclassic period 1830–56**	
.71	Grabbe, Christian Dietrich	1801–36
.72	Griepenkerl, Wolfgang Robert	1810–36
.73	Grillparzer, Franz	1791–1872
.74	Birch-Pfeiffer, Charlotte	1800–68
.75	Münch-Bellinghausen, Eligius Franz Joseph [Friedrich Halm]	1806–66
.76	Laube, Heinrich	1806–84
.77	Hebbel, Friedrich	1815–63
.78	Gutzkow, Karl Ferdinand	1811–78
.79	Minor writers	
.8	**Later 19th century 1856–1900**	
.81	Benedix, Julius Roderich	1811–73
.82	Mosenthal, Salomon Hermann	1821–77
.83	Brachvogel, Albert Emil	1824–78
.84	Gottschall, Karl Rudolph	1823–1909
.85	Lindau, Paul	1839–
.89	Minor writers	
.91	**Early 20th century 1901–**	

833 German fiction

.5	**Period of imitation 1625–1750**	
.51	Buchholtz, Andrew Heinrich	1607–71
.52	Grimmelshausen, Hans Jakob Christoffel von	1625–76
.53	Anselm, Heinrich	1653–97
.54	*Robinsonaden*	
.55	*Der Neue Amadis*	
.6	**Classic period 1750–1830**	
.61	Wieland, Christoph Martin	1733–1813
.62	Richter, Jean Paul Friedrich	1763–1825
.63	Hardenberg, Friedrich von [Novalis]	1772–1801
.64	Hoffmann, Ernst Theodor Wilhelm	1776–1822
.65	La Motte Fouqué, Friedrich H; C;	1777–1843
.66	Arnim, Ludwig Achim von	1781–1831
.67	Hauff, Wilhelm	1802–27
.68	Chamisso, Adelbert von	1781–1838
.69	Minor writers	
.7	**Postclassic period 1830–56**	
.71	Zschokke, Johann Heinrich Daniel	1771–1848
.72	Brentano, Clemens	1778–1842
.73	Tieck, Ludwig	1773–1853
.74	Postl, Karl [Charles Sealsfield]	1793–1864
.75	Häring, Wilhelm [Wilibald Alexis]	1798–1871
.76	Hahn-Hahn, Ida, gräfin von	1805–80
.77	Gerstäcker, Friedrich	1816–72
.78	Hackländer, Friedrich Wilhelm	1816–77
.79	Minor writers	

833.8	**Later 19th century 1856–1900**	
.81	Auerbach, Berthold	1815–82
.82	Freytag, Gustav	1816–95
.83	Scheffel, Joseph Viktor von	1826–96
.84	Spielhagen, Friedrich	1829–1911
.85	Heyse, Paul Johann Ludwig	1830–1914
.86	Ebers, Georg	1837–98
.89	Minor writers	
.91	**Early 20th century 1901–**	

834 German essays
Subdivided by periods like 831

835 German oratory
" "

836 German letters
" "

837 German satire and humor

.2	**Middle high: minnesingers 1150–1300**	
.21	[Stricker, Der] *Der Pfaffe Amis* and *Beispiele*	
.22	*Salomon und Morolf*	
.3	**Period of decline 1300–1517**	
.31	*Reineke Vos* See also 839.3171	
.32	Brant, Sebastian	1458–1521
.4	**Reformation: new high 1517–1625**	
.41	Murner, Thomas [Tyll Eulenspiegel]	1475–1537
.42	Fischart, Johann	1550–89
.5	**Period of imitation 1625–1750**	
.51	Moscherosch, Johann Michael	1601–69
.52	Rachel, Joachim	1618–69
.53	Wernicke, Christian	1660–1720
.54	Liscow, Christian Ludwig	1701–60
.6	**Classic period 1750–1830**	
.61	Rabener, Gottlieb Wilhelm	1714–71
.62	Blumauer, Aloys	1755–98

838 German miscellany
See 828, note

839 Other Teutonic literatures

Subdivided by form, poetry, drama, etc. like 830

.1 Western Germanic literatures in general

.2 Frisian Old Saxon

.3 Netherlandish

.31 Dutch literature

.311 Dutch poetry

1 Middle ages 1200–1450
(2 Heinrijc van Veldeke 1200, see 831.23) 3 Jan van Brabant 1250–94 4 Melis Stoke 1310 5 Dirc Potter 1428

2 Chambers of rhetoric 1450–1600
2 Anna Bijns 1500 4 Cornelis Everaert 1550 6 Dirk Volkerszoon Coornhert 1522–90 9 Minor writers

3 Period of the Republic 1600–1700
1 Jacob Cats 1577–1660 2 Joost van den Vondel 1587–1679 3 Marie Tesselschade Visscher 1594–1649 4 Constantijn Huygens 1596–1687 5 Reyer Anslo 1626–69 6 Geraert Brandt 1626–85 7 Jan Antoniszoon van der Goes (Antonides) 1647–84 9 Minor writers

4 Poetic societies 1700–1800
1 Lucas Rotgans 1654–1710 2 Hubert Corneliszoon Poot 1689–1733 3 Arnold Hoogvliet 1687–1763 4 Sybrand Feitama 1694–1758 5 Willem van Haren 1710–68 6 Jacob Bellamy 1757–86 7 Hieronymus van Alphen 1746–1803 9 Minor writers

5 Modern period 1800–
1 Willem Bilderdijk 1756–1831 2 Jan Frederik Helmers 1767–1813 3 Cornelis Loots 1765–1834 4 Hendrik Tollens 1780–1856 5 Isaac da Costa 1798–1860 9 Minor writers

.312 Dutch drama

3 Period of the Republic 1600–1700
1 Gerbrand Adriaenszoon Bredero 1585–1618 2 Corneliszoon Hooft 1581–1647 3 Samuel Costa 1580–1650 4 Jan Vos 1620–67 6 Joachim Oudaan 1628–92 9 Other

4 Poetic societies 1700–1800
1 Pieter Langendijk 1683–1756 2 Andries Pels 3 Balthasar Huydecoper 1695–1778 4 Onno Zwier van Haren 1713–79 5 Jan Nomsz 1738–1803 9 Minor writers

5 Modern period 1800–
1 Samuel Iperuszoon Wiselius 1769–1845 2 Pieteri Theodoor Helvetius van den Bergh 1799–1873 3 Hendrik Jan Schimmel 1825–1906

.313 Dutch fiction

4 Poetic societies 1700–1800
1 Elisabeth Bekker Wolff 1738–1804 2 Agatha Deken 1741–1804 3 Rhijnvis Feith 1753–1824

5 Modern period 1800–
1 Adriaan Loosjes 1761–1818 2 Jacob Vosmaer 1783–1834 3 Jan Frederik Oltmans 1800–54 4 Jacob van Lennep 1802–68 6 Anna Louisa Geertruida Bosboom-Toussaint 1812–86

.314 Dutch essays

4 Poetic societies 1700–1800
Justus van Effen 1684–1735

5 Modern period 1800–
1 Johannes Henricus van der Palm 1763–1840 2 Reinier Cornelis Bakhuizen van den Brink 1810–65 3 Everhardus Johannes Potgieter 1808–75 4 Nicolaas Beets 1814–1903 5 Coenraad Busken Huet 1826–86

.317 Dutch satire and humor

1 Middle ages 1200–1450
Reinaert (van den vos Reinaerde) see 837.31

4 Poetic societies 1700–1800
Arend Simonszoon Fokke 1755–1812

839.318 Dutch miscellany

The subdivisions of 8 show the leading writers in other branches of knowledge In classification, books ar placed with their subjects, theology, history, etc.

1 Middle ages 1200-1450

Jan van Boendale (Jan de Clerc) *Chronicles*, 1280-1365

4 Poetic societies 1700-1800

Simon Stijl, *History*, 1731-1804; Jan Wagenaar, *History*, 1709-73

.32 **Flemish literature**

Divide by form and period like 839.31 Dutch literature

.36 **Afrikaans**

Divide by form like 839.31 Dutch literature

.4 **Low German Platt Deutsch**

.5 **Scandinavian**

.6 **Old Norse Icelandic Faroese**

.7 **Swedish literature**

.71 Swedish poetry

.711 Middle ages 1200-1520

1 Nicolaus Hermanni 1391 2 Bishop Tomas 1443 3 Ericus Olai 1486 4 Ballads (Folkvisor)

.712 Reformation 1520-1640

1 Olaus Petri 1496-1552 2 Laurentius Petri 1499-1573

.713 Age of Stjernhjelm 1640-1740

1 Georg Stjernhjelm 1598-1672 2 Lars Johansson (Lucidor) 1640-74 3 Haquin Spegel 1645-1714 4 Israel Holmström 1660-1708 5 Gunno Eurelius Dahlstjerna 1661-1709 6 Johan Runius 1679-1713 7 Jacob Frese 1691-1729 8 Samuel von Triewald 1688-1743 9 Minor writers

.714 Age of Dalin 1740-80

1 Olof Carelius 1758 2 Olof von Dalin 1708-63 3 Hedvig Charlotta Nordenflycht 1718-63 4 Anders Odel 1718-73 5 Gustaf Fllip Creutz 1729-85 6 Gustaf Fredrik Gyllenborg 1731-1808 7 Olof Bergklint 1733-1805 9 Minor writers

.715 Age of Gustavus 1780-1800

1 Karl Mikael Bellman 1740-1795 2 Johan Henrik Kellgren 1751-95 3 Bengt Lidner 1757-93 4 Johan Gabriel Oxenstjerna 1750-1818 5 Tomas Thorild 1759-1808 6 Anna Maria Lenngren 1754-1817 7 Karl Gustaf af Leopold 1756-1829 8 Frans Mikael Franzén 1772-1847 9 Minor writers

.716 Modern period 1800-

1 Per Henrik Ling 1776-1839 2 Johan Olof Wallin 1779-1839 3 Esaias Tegnér 1782-1846 4 Erik Johan Stagnelius 1793-1823 5 Per Daniel Amadeus Atterbom 1790-1855 6 Karl Jonas Ludwig Almqvist 1793-1866 7 Johan Ludwig Runeberg 1804-77 8 Karl Vilhelm Böttiger 1807-79 9 Minor writers

.72 Swedish drama

.722 Reformation 1520-1640

1 Johan Messenius 1579-1637 2 Magnus Olai Asteropherus -1647 3 Andreas Johannis Prytz 1590-1655

.723 Age of Stjernhjelm 1640-1740

Isak Börk -1701

.725 Age of Gustavus 1780-1800

1 Karl Israel Hallman 1732-1800 2 Gustaf 3 (king) 1746-92 3 Olof Kexél 1748-96 4 Karl Envallsson 1756-1806

.726 Modern period 1800-

1 Johan Börjesson 1790-1866 2 Bernhard von Beskow 1796-1868 3 August Teodor Blanche 1811-68 4 Johan Kristofer Jolin 1818-84 5 Frans Hedberg 1828-1908 6 Per Johan Edvard Backström 1841-86

.73 Swedish fiction

.734 Age of Dalin 1740-1780

1 Jakob Henrik Mörk 1714-63 2 Jakob Vallenberg 1746-78

.736 Modern period 1800-

1 Sofia Margareta von Knorring 1797-1848 2 Magnus Jakob Crusenstolpe 1795-1865 3 Fredrika Bremer 1801-65 4 Karl Anton Wetterbergh (Onkel Adam) 1804-89 5 Emilie Flygare Carlén 1807-92 6 Zakris Topelius 1818-98 7 Viktor Rydberg 1829-95 9 Minor writers

839.74 Swedish essays

.746 **Modern period** 1800–

1 Benjamin Karl Henrik Höljer 1767–1812 2 Lorenzo Hammarsköld 1785–1827 3 Bernhard Elis Malmström 1816–65 4 Karl Julius Lénström 1811–93 5 Gustaf Håkan Jordan Ljunggren 1823–1905 6 Karl Rupert Nyblom 1832–1907

.77 Swedish satire and humor

.776 **Modern period** 1800–

1 Johan Anders Wadman 1777–1837 2 Erik Sjöberg (Vitalis) 1794–1828 3 Kristian Erik Fahlcrantz 1790–1866 4 Vilhelm August Detlof von Braun 1813–60 5 Gunnar Wennerberg 1817–1901

.78 Swedish miscellany

The subdivisions of 8 show the leading writers in other branches of knowledge. In classification, books ar placed with their subjects, theology, history, etc.

.781 **Middle ages** 1200–1520

Canon Mattias, *Bible translation*, –1350; Peder Månsson, *Encyclopedia*, –1534

.782 **Reformation** 1520–1640

1 Peder Andersson Svart, *History*, –1562 2 Erik Göransson Tegel, *History*, 1580–1636 3 Ægidius Girs, *History*, 1580–1639 4 Gustavus Adolphus (king), *History*, 1594–1632

.783 **Age of Stjernhjelm** 1640–1740

1 Olof Rudbeck, *Medicin*, 1630–1702 2 Urban Hjärne 1641–1724 3 Johan Peringskjöld, *History*, 1654–1720 4 Anders Rydelius, *Philosofy*, 1671–1738 5 Anders Celsius, *Astronomy*, 1701–44 6 Emanuel Svedenborg, *Theology*, 1688–1772

.784 **Age of Dalin** 1740–1780

1 Karl Gustaf Tessln, *History*, 1695–1770 2 Karl von Linné, *Botany*, 1707–78 3 Johan Ihre, *Philology*, 1707–80 4 Sven Lagerbring, *History*, 1707–87 5 Anders Johan von Höpken, *History*, 1712–89, 6 Olof Celsius, *History*, 1716–94 7 Anders af Botin, *History*, 1724–90 8 Torbern Olof Bergman, *Chemistry*, 1735–84 9 Karl Vilhelm Scheele, *Chemistry*, 1742–86

.786 **Modern period** 1800–

1 Erik Gustaf Geijer, *History*, 1783–1847 2 Anders Magnus Strlnnholm. *History*, 1786–1862 3 Anders Fryxell, *History*, 1795–1881 4 Frederik Ferdinand Carlson, *History*, 1811–87

.8 Danish and Norwegian literature

.81 Danish literature

.811 Danish poetry

1 **Middle ages** 1100–1500

1 Anders Sunesen 2 Ballads (Kjæmpeviser)

2 **Reformation** 1500–1560

Hans Tavsen 1494–1561

3 **Learned period** 1560–1700

1 Anders Arrebo 1587–1637 2 Anders Bording 1619–77 3 Peder Syv 1631–1702 4 Thomas Kingo 1634–1703 7 Sören Terkelsen 1661 8 Jacob Vorm 1642–93

4 **Age of Holberg** 1700–1750

1 Jörgen Sorterup 1662–1723 2 Töger Reenberg 1656—1742 3 Kristian Falster 1690–1752 4 Hans Adolph Brorson 1694–1764 5 Ambrosius Stub 1705–58 6 Kristian Frederik Wadskjær 1712–79

5 **Period of enlightenment** 1750–1800

1 Kristian Braunmann Tullin 1728–65 2 Johannes Evald 1743–81 4 Edvard Storm 1749–94 5 Kristen Henriksen Pram 1756–1821 6 Jens Baggesen 1764–1826 7 Knud Lyne Rahbek 1760–1830 8 Malte Konrad Bruun 1775–1826 9 Minor writers

6 **Modern period** 1800–

1 Adam Gottlob Oehlenschläger 1779–1850 2 Bernhard Severin Ingemann 1789–1862 3 Nicolai Frederik Severin Grundtvig 1783–1872 4 Johannes Carsten Hauch 1790–1871 6 Ludvig Bödtcher 1793–1874 7 Frederik Paludan-Müller 1809–76 8 Carl Ploug 1813–94 9 Minor writers

839.812 Danish drama

3 Learned period 1560–1700
1 Hieronimus Justesen Rauch 1539–1607 2 Hans Kristensen Sthen 1544–1603 3 Peder Jensen Hegelund 1542–1614 4 Hans Thomsen Stege –1628 5 Jens Lönberg 1663–1700

4 Age of Holberg 1700–1750
1 Ludvig Holberg 1684–1754

5 Period of enlightenment 1750–1800
1 Charlotte Dorothea Biehl 1731–88 3 Ole Johan Samsöe 1759–96 4 Enevold Falsen 1755–1808 5 Thomas Thaarup 1749–1821 6 Kristian Levin Sander 1756–1819 7 Olaf Kristian Olufsen 1764–1827 8 Peter Andreas Heiberg 1758–1841 9 Minor writers

6 Modern period 1800–
1 Casper Johannes Boye 1791–1863 2 Johan Ludvig Heiberg 1791–1860 3 Henrik Hertz 1798–1870 4 Thomas Overskou 1798–1873 5 Christian Knud Frederik Molbech 1821–88

.813 Danish fiction

6 Modern period 1800–
1 Thomasine Christine Gyllembourg-Ehrensvärd 1773–1856 2 Steen Steensen Blicher 1782–1848 3 Christian Winther 1796–1876 4 Hans Christian Andersen 1805–75 5 Meyer Aaron Goldschmidt 1819–87 6 Holger Drachmann 1846–1908

.814 Danish essays

5 Period of enlightenment 1750–1800
Rasmus Nyerup 1759–1829

6 Modern period 1800–
1 Niels Mathias Petersen 1781–1862 2 Sören Aaby Kierkegaard 1813–55 6 Georg Morris Cohen Brandes 1842– 1927

.817 Danish satire and humor

5 Period of enlightenment 1750–1800
1 Peder Magnus Trojel 1743–96 2 Peder Kofoed Trojel 1754–84 3 Thomas Kristoffer Bruun 1750–1834

.818 Danish miscellany

The subdivisions of 8 show the leading writers in other branches of knowledge. In classification, books ar placed with their subjects, theology, history, etc.

1 Middle ages 1100–1500
1 Saxo (Longus) Grammaticus, *History*, –1208 2 Svend Aagesen, *History*

2 Reformation 1500–1560
1 Kristiern Pedersen (Father of Danish literature) 1480–1554 2 Povel Eliesen, *Sermons*, 1480– 3 Hans Mikkelsen, *Bible translation*, –1532 4 Peder Plade (Palladius) 1503–60 5 Henrik Smith, *Medicin*, –1563

3 Learned period 1560–1700
History: Hans Svaning 1508–1584 Anders Sörensen Vedel 1542–1616 Arild Hvitfeld 1549–1609 Klaus Lyskander 1558–1623 Ole Worm 1588–1654 Peder Resen 1625–88
Theology: Niels Hemmingsen 1513–1600 Holger Rosenkrantz 1574–1642 Jesper Rasmussen Brochmand 1585–1652
Science: Tyge Brahe, *Astronomy*, 1546–1601 Kaspar Bartholin, *Medicin*, 1585–1629 Thomas Bartholin, *Anatomy*, 1616–80 Ole Boreh, *Medicin*, 1626–90 Niels Stensen, *Anatomy*, 1638–86 Ole Römer, *Astronomy*, 1644–1710

4 Age of Holberg 1700–1750
1 Erik Pontoppidan, *History*, 1698–1764 2 Jacob Langebek, *History* 1710–75 3 Frederik Kristian Eilschov, *Education and Philology*, 1725–50 5 Peder Frederik Suhm, *History*, 1728–98

.82 Norwegian literature

Subdivided when needed by form and period like 839.81 Danish literature

.8216 Modern Norwegian poetry 1800–
Henrik Wergeland 1808–45

.8226 Modern Norwegian drama 1800–
Henrik Ibsen 1828–1906

.8236 Modern Norwegian fiction 1800–
Björnstjerne Björnson 1832–1910

8246 Modern Norwegian essays 1800–
Johan Sebastian Cammermeyer Welhaven 1807–73

.9 Gothic

840 French literature

840.1 Philosofy .2 Compends .3 Dictionaries .4 Essays, lectures, and addresses on French literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

841 French poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of French poetry

.1	**Early French 842–1400**	
.11	Chanson de geste *Chanson de Roland*	
.12	Wace, Robert	
.13	Marie de France	
.14	Chrestien de Troyes	–1191
.15	Quesnes de Bethune	–1228
.16	Thibaut 4, comte de Champagne	1201–53
.17	Rutebeuf	1230–
.18	**Roman de la rose**	
	Guillaume de Loris, 1195–1260 Jean de Meung, 1280–1320	
.19	Minor poets	
.2	**Transition period 1400–1500**	
.21	Chartier, Alain	1386–1458
.22	Orléans, Charles duc d'	1391–1465
.23	Coquillart, Guillaume	1421–1510
.24	Baude, Henri	1430–95
.25	Villon, François	1431–85
.26		
.27		
.28		
.29	Minor poets	
.3	**Renaissance 1500–1600**	
.31	Daurat, Jean	1510–88
.32	Du Bellay, Joachim	1524–60
.33	Belleau, Remy	1528–77
.34	Ronsard, Pierre de	1524–85
.35	Thiard, Pontus de	1521–1605
.36	Baïf, Jean Antoine de	1532–89
.37	Du Bartas, Guillaume de Saluste	1544–90
.38	Desportes, Philippe	1546–1606
.39	Minor poets	
.4	**Classic period 1600–1715**	
.41	Malherbe, François de	1555–1628
.42	Maynard, François	1582–1646
.43	Racan, Honorat de Bueil, marquis de	1589–1670
.44	Chapelain, Jean	1595–1674
.45	**La Fontaine, Jean de**	1621–95
.46	Deshoulières, Antoinette (du Ligier de la Garde), Madame	1637–94
.47	Chaulieu, Guillaume Amfrye de	1639–1720
.48		
.49	Minor poets	

841.5	**18th century 1715–89**		
.51	Rousseau, Jean Baptiste	1670–1741	
.52	Racine, Louis	1692–1763	
.53	Pompignan, Jean Jacques de Franc, marquis de	1709–84	
.54	Delille, Jacques	1738–1813	
.55	Roucher, Jean Antoine	1745–94	
.56	Chénier, André Marie de	1762–94	
.57	Parny, Evariste Désiré Desforges, vicomte de	1753–1814	
.58			
.59	Minor poets		
.6	**Revolution and empire 1789–1815**		
61	Lebrun, Ponce Denis Écouchard	1729–1807	
.62	Fontanes, Louis, marquis de	1757–1821	
.63	Parseval Grandmaison, François Auguste	1759–1834	
.64	Luce de Lancival, Jean Charles Julien	1764–1810	
.65	Désaugiers, Marc Antoine Madeleine	1772–1827	
.66	Campenon, François Nicolas Vincent	1772–1843	
.67	Millevoye, Charles Hubert	1782–1816	
.68			
.69	Minor poets		
.7	**Constitutional monarchy 1815–48**		
.71	**Béranger, Pierre Jean de**	1780–1857	
.72	Delavigne, Jean François Casimir	1793–1843	See 842.72
.73	Deschamps, Émile	1791–1871	
.74	Lamartine, Alphonse Maric Louis de Prat de	1792–1869	
.75	Reboul, Jean	1796–1864	
.76	Vigny, Alfred Victor, comte de	1799–1863	See 842.75
.77	Musset, Louis Charles Alfred de	1810–57	See 842.76
.78	**Hugo, Victor Marie, comte**	1802–85	
	See also 842.78 and 843.78		
79	Minor poets		
.8	**Later 19th century 1848–1900**		
.81	Laprade, Pierre Marin Victor Richard de	1812–83	
.82	Dupont, Pierre	1821–70	
.83	Banville, Théodore Faullain de	1820–91	
.84	Sully-Prudhomme, René François Armand	1839–1907	
.85	Coppée, Francis Édouard Joachim	1842–1908	See 842.88
.86	Deroulède, Paul	1846–1914	
.87			
.88			
.89	Minor poets		
.91	**Early 20th century 1901–**		

842 French drama

.1	**Early French 842–1400**		
.11	Mysteries and miracles		
.12	Adam de la Halle	1240–86	
.13	Bodel, Jean		
.14			
.15			
.16			
.17			
.18			
.19	Minor dramatists		

842.2	**Transition period 1400–1500**	
.21	Gresban, Arnoul	
.22	Michel, Jean	–1493
.23	Gringoire, Pierre	1480–1544
.24		
.25		
.26		
.27		
.28		
.29	Minor dramatists	
.3	**Renaissance 1500–1600**	
.31	Le Coq, Thomas	
.32	Baïf, Lazare de	
.33	La Peruse, Jean Bastier de	1530–55
.34	Jodelle, Étienne	1532–73
.35	Grévin, Jacques	1538–70
.36	La Taille, Jean de	1540–1608
.37	Garnier, Robert	1545–1601
.38	Larivey, Pierre de	1550–1612
.39	Minor dramatists	
.4	**Classic period 1600–1715**	
.41	**Corneille, Pierre**	1606–84
.42	**Molière, Jean Baptiste Poquelin,** ***called***	1622–73
.43	Corneille, Thomas	1625–1709
.44	Boursault, Edme	1638–1701
.45	**Racine, Jean**	1639–99
.46	Brueys, David Augustin de	1640–1723
.47	Dufresny, Charles Rivière	1648–1724
.48	Baron, Michel Boyron, *called*	1653–1729
.49	Minor dramatists	
.5	**18th century 1715–89**	
.51	La Motte, Antoine Houdart de	1672–1731
.52	Crébillon, Prosper Jolyot de	1674–1762
.53	Destouches, Philippe Nericault	1680–1754
.54	Marivaux, Pierre Carlet de Chamblain de	1688–1763 See 843.52
.55	Piron, Alexis	1689–1773
.56	**Voltaire, François Marie Arouet de**	1694–1778 See 843.54
.57	Sédaine, Michel Jean	1719–97
.58	Beaumarchais, Pierre Augustin Caron de	1732–99
.59	Minor dramatists	
.6	**Revolution and empire 1789–1815**	
.61	Ducis, Jean François	1733–1816
.62	Collin-Harleville, Jean François	1735–1806
.63	La Harpe, Jean François de	1739–1803 See 844.61
.64	Fabre d'Églantine, Philippe François Nazaire	1755–94
.65	Andrieux, François Guillaume Jean Stanislas	1759–1833
.66	Chenier, Marie Joseph	1764–1811
.67	Picard, Louis Benoît	1769–1828
.68	Lemercier, Louis Jean Népomucène	1771–1840
.69	Minor dramatists	

842.7	**Constitutional monarchy 1815–48**		
.71	Soumet, Alexandre	1788–1845	
.72	Delavigne, Jean François Casimir	1793–1843	See 841.72
.73	Scribe, Augustin Eugène	1791–1861	
.74	Ancelot, Jacques Arsène François Polyearpe	1794–1864	
.75	Vigny, Alfred Victor, comte de	1799–1863	See 841.76
.76	Musset, Louis Charles Alfred de	1810–57	See 841.77
.77	**Dumas, Alexandre, the elder**	1806–70	See 843.76
.78	**Hugo, Victor Marie, comte**	1802–85	
	See also 841.78 and 843.78		
.79	Minor dramatists		
.8	**Later 19th century 1848–1900**		
.81	Labiche, Eugène Marin	1815–88	
.82	Ponsard, François	1824–67	
.83	Augier, Guillaume Victor Émile	1822–89	
.84	Dumas, Alexandre, fils	1824–95	
.85	Bornier, Henri de	1825–1901	
.86	Sardou, Victorien	1831–1908	
.87	Pailleron, Édouard	1834–99	
.88	Coppée, Francis Édouard Joachim	1842–1908	See 841.85
.89	Minor dramatists		
.91	**Early 20th century 1901–**		

843 French fiction

.2	**Transition period 1400–1500**		
.21	Christine de Pisan	1363–1431	
.22	Jean de Tuim		
.23	La Sale, Antoine de	1398–1462	
.24	Chastelain, Georges	1403–75	
.25			
.26			
.27			
.28			
.29	Minor writers		
.3	**Renaissance 1500–1600**		
.31	Marguerite de Navarre	1492–1549	
.32	Desperriers, Bonaventure	1500–44	
.33	Herberay, Nicolas d'	–1552	
.34	Du Fail, Noël	–1585	
.35	Bouchet, Guillaume	1526–1606	
.36	Beroalde de Verville, François	1558–1612	
.37			
.38			
.39	Minor writers		
.4	**Classic period 1600–1715**		
.41	Urfé, Honoré d'	1568–1625	
.42	Gomberville, Marin Le Roy de	1600–47	
.43	La Calprenède, Gauthier de Costes de	1602–63	
.44	Scudéry, Georges de	1601–67	
.45	Scudéry. Madeleine de	1607–1701	
.46	Cyrano de Bergerac, Savinien	1620–55	
.47	Perrault, Charles	1628–1703	
.48	Lafayette, Marie Madeleine Pioche de la Vergne, comtesse de	1634–93	
.49	Minor writers		

843.5	**18th century 1715–89**		
.51	Le Sage, Alain René	1668–1747	
.52	Marivaux, Pierre Carlet de Chamblain de	1688–1763	See 842.54
.53	Prévost d'Exiles, Antoine François	1697–1763	
.54	**Voltaire, François Marie Arouet de**	1694–1778	See 842.56
.55	Crébillon, Claude Prosper Jolyot de, fils	1707–77	
.56	**Rousseau, Jean Jacques**	1712–78	
.57	Restif de la Bretonne, Nicolas Edme	1734–1806	
.58	Florian, Jean Pierre Claris de	1755–94	
.59	Minor writers		
.6	**Revolution and empire 1789–1815**		
.61	St Pierre, Jacques Henri Bernardin de	1737–1814	
.62	**Staël Holstein, Anne Louise Germaine (Necker), baronne de**	1766–1817	
.63	Constant de Rebeeque, Henri Benjamin	1767–1830	
.64	Maistre, Xavier de	1763–1852	
.65	Chateaubriand, François Auguste René, vicomte de	1768–1848	
.66			
.67			
.68			
.69	Minor writers		
.7	**Constitutional monarchy 1815–48**		
.71	Beyle, Marie Henri [de Stendhal]	1783–1842	
.72	Nodier, Charles	1790–1844	
.73	**Balzac, Honoré de**	1799–1850	
.74	Sue, Marie Joseph, *called* Eugène	1804–57	
.75	Souvestre, Émile	1806–54	
.76	**Dumas, Alexandre, the elder**	1806–70	See 842.77
.77	Gautier, Théophile	1811–72	
.78	**Hugo, Victor Marie, comte** See also 841.78 and 842.78	1802–85	
.79	Minor writers		
.8	**Later 19th century 1848–1900**		
.81	Mérimée, Prosper	1803–70	
.82	**Dudevant, Amantine Lucile Aurore Dupin [George Sand]**	1804–76	
.83	Feuillet, Octave	1822–90	
.84	Flaubert, Gustave	1821–81	
.85	Erckmann-Chatrian { Erckmann, Émile	1822–99	
	Erckmann-Chatrian { Chatrian, Alexandre	1826–90	
.86	About, Edmond François Valentin	1828–85	
.87	Cherbuliez, Victor	1829–99	
.88	Daudet, Alphonse	1840–97	
.89	Minor writers		
.91	**Early 20th century 1901–**		

844 French essays

.3	**Renaissance 1500–1600**		
.31	**Montaigne, Michel Eyquem de**	1533–92	
.4	**Classic period 1600–1715**		
.41	Du Vair, Guillaume	1556–1621	
.42	Saint-Évremond, Charles de Marguetel de Saint-Denis de	1613–1703	

844.5	**18th century 1715–89**		
.51	Fontenelle, Bernard le Bovier de	1657–1757	
.52	Montesquieu, Charles le Secondat, baron de	1689–1755	
.53	Alembert, Jean le Rond d'	1717–83	
.6	**Revolution and empire 1789–1815**		
.61	La Harpe, Jean François de	1739–1803	See 842.63
.62	Joubert, Joseph	1754–1824	
.63	Courier de Méré, Paul Louis	1772–1825	
.64	Senancour, Étienne Pivert de	1770–1846	
.7	**Constitutional monarchy 1815–48**		
.71	La Mennais, Hugues Félicité Robert de	1782–1854	
.72	Villemain, Abel François	1790–1870	
.73	Planche, Jean Baptiste Gustave	1808–57	
.74	**Sainte Beuve, Charles Augustin**	1804–69	
.75	Saint-Marc Girardin	1801–73	
.76	Janin, Jules Gabriel	1804–74	
.77	Nisard, Jean Marie Napoléon Désiré	1806–88	
.8	**Later 19th century 1848–1900**		
.81	Quinet, Edgar	1803–75	
.82	Renan, Ernest	1823–92	
.83	Taine, Hippolyte Adolphe	1828–93	
.91	**Early 20th century 1901–**		

845 French oratory

Subdivided by periods like 841

846 French letters

Subdivided by periods like 841

847 French satire and humor

.1	**Early French 842–1400**		
.11	Guyot de Provins		
.12	*Roman du Renard*	See 837.31 and 839.3171	
.13	Deschamps, Eustache	1320–1400	
.3	**Renaissance 1500–1600**		
.31	Marot, Clément	1495–1544	
.32	**Rabelais, François**	1495–1553	
.33	*La Satyre Ménippée*	1594	
.34	Aubigné, Théodore Agrippa d'	1550–1630	
.35	Regnier, Mathurin	1573–1613	
.4	**Classic period 1600–1715**		
.41	Viau, Théophile de	1590–1626	
.42	Saint Amant, Marc Antoine Gérard	1594–1661	
.43	Scarron, Paul	1610–60	
.44	Benserade, Isaac de	1612–91	
.45	Furetière, Antoine	1620–88	
.46	**Boileau Despréaux, Nicolas**	1636–1711	
.47	Regnard, Jean François	1655–1709	
.5	**18th century 1715–89**		
.51	Gresset, Jean Baptiste Louis	1709–77	
.52	Gilbert, Nicolas Joseph Laurent	1751–80	
.7	**Constitutional monarchy 1815–48**		
.71	Barthélemy, August Marseille	1796–1867	
.72	Barbier, Henri Auguste	1805–82	

848 French miscellany

Subdivided by periods like 841

849 Provençal literature

.1 **Provençal poetry**

.11 1st period 900–1100

Poetry in hands of clergy. No folk poetry preservd. Form mainly eple. Language not yet fixt. Country under rule of counts, nominally subject to emperor, really independent til 1486, then reunited to France

.111 Epic poetry

Boethius

.112 Lyric poetry

.119 Minor poetry Didactic

.12 Golden age 1100–1300

Poets mainly knights, but after 1250 almost exclusivly burghers. Lyric most important

.121 Romances of chivalry

Girart de Rossilho

.122 Historical poetry

Croisade contre les Albigeois

.123 Romans d'aventures

Flamenca

.124 Lyric poetry

.125 Bernart de Ventadorn, flourisht about 1140–95

.126 Born, Bertran de " " 1180–95

.127 Arnaut, Daniel " " 1180–1200

.128 Giraut de Bornelh " " 1175–1220

.129 Minor poetry

Nearly 500 poets named beside anonymous poems. Form prevails over content; great variety of poetic forms. These lyric poets ar the real Troubadours

.13 Aftermath 1300–1500

Downfall of language and literature owing to lack of content and to political and social causes, specially the crusade against the Albigenses

.131 Poets of school of Toulouse

Arnaut Vidal, first recipient of the Golden Violet, 1324. Poetry artificial, a craft. Las Leys d'Amors is the code of poetic laws, by Guillem Molinier, chancellor of 'Consistory de la gaya sciensa' establisht at Toulouse 1324. First prize a golden violet. When in danger of perishing, consistory revived in 1484 and poetic exercises styled 'Jeux floraux'

.132 La Noble Leyczon

Religious poetry of Waldenses

.139 Minor poetry

.14 Decadence 1500–1900

Provençal sinks to position of a dialect despite fitful attempts to revive it, the most recent, that connected with publication of Li Provençalo 1852

.141 Goudouli, Pierre de 1579–1649

.142 Despourrins, Cyprien 1698–1755

.143 Jasmin, Jacques 1798–1864

.144 Roumanille, Joseph 1818–91

.145 Aubanel, Jos. Marie J. Baptiste Théodore 1829–86

.146 Mistral, Frédéric 1830–1914

.149 Minor poetry

.15 20th century — 1901–

849.9 Catalan literature

.91 Catalan poetry

911 1st period 1200–1350

Catalonia before 1137 ruled by French counts, then united to Aragon. Language is closely allied to Provençal, in which first poets wrote. Mss scatterd; few as yet printed. Literature begins with James 1 (1213–76) who made Catalan the state language

For Ramon Muntaner see 849.9813

1 Raimon Lull 1225–1315 2 Febler 1250 9 Minor poets

.912 2d period 1350–1450

Imitation of Neo Provençal, French and Italian, specially of Dante, Petrarch and Boccaccio. Some flashes of originality. Fra Rocaberti. Imitation of Dante

.913 Age of perfection 1450–

From 16th century, Catalan literature merged in Spanish, tho some writers still employ idiom, e. g. ' Balaguer '

1 March, Ausias –1460, greatest of Catalan poets 2 Fenollar, Bernard 3 Jacme Roig (satiric) 4 Farrer 5 Serafi 6 Pujol 7 Garcia 9 Minor poets

.93 Catalan fiction

.933 Age of perfection 1450–

Joanet Martorel –1400. *Tirant lo Blanch*, a chivalric romance

.98 Miscellany

.981 1st period 1200–1350

Prose superior to poetry. Chronicles of great importance, culminating in Muntaner

1 James 1 (The Conqueror) 1213–76 2 Desclot, Bernardo 3 Muntaner, Ramon 1265–1340 4 Ximenes 9 Minor authors

.982 2d period 1350–1450

Prose resists foren influences better than poetry. Many philosofic and theologic writings beside historical works

1 Tomich 2 Turell 9 Minor writers

850 Italian literature

850.1 Philosofy .2 Compends .3 Dictionaries .4 Essays, lectures and addresses on Italian literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

851 Italian poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of Italian poetry

.1	**Early Italian Age of Dante**	**–1375**	
	To deth of Boccaccio, 1375		
.11	Protonotario, Stefano	–1250	
.12	Arezzo, Guittone d'	–1294	
.13	Guinicelli, Guido	–1276	
.14	Cavalcanti, Guido	1260–1300	
.15	**Alighieri, Dante**	1265–1321	
.16	Pistoia, Cino da	1270–1336	
.17	Uberti, Fazio degli	–1369	
.18	**Petrarca, Francesco**	1304–74	
.19	Minor poets		
.2	**Period of classic learning**	**1375–1492**	
	From deth of Boccaccio, 1375, to deth of Lorenzo il Magnifico, 1492		
.21	Frezzi, Federigo	–1416	
.22	Bojardo, Matteo	1430–94	
.23	**Medici, Lorenzo dei** (Il Magnifico)	1448–92	
.24	**Poliziano, Angelo**	1454–94	See 852.22
.25	Benivieni, Girolamo	1453–1542	
.26	Sannazzaro, Jacopo	1458–1530	
.29	Minor poets		
.3	**Age of Leo the Tenth**	**1492–1542**	
	From deth of Lorenzo il Magnifico, 1492, to convocation of council of Trent, 1542		
.31	Bembo, Pietro	1470–1547	
.32	**Ariosto, Lodovico**	1474–1533	
.33	Rucellai, Giovanni	1475–1526	
.34	Molza, Francesco	1483–1544	See 853.3
.35	Tasso, Bernardo	1493–1569	
.36	Alamanni, Luigi	1495–1556	
.37	Guidiccioni, Giovanni	1500–41	
.38	Casa, Giovanni della	1503–56	
.39	Minor poets		
.4	**Later 16th century**	**1542–85**	
	From convocation of council of Trent, 1542, to pontificate of Sixtus 5, 1585		
.41	Costanzo, Angelo di	1507–91	
.42	Rota, Bernardino	1509–75	
.43	Tansillo, Luigi	1510–68	
.44	Magno, Celio	1536–1602	
.45	Guarini, Giovambattista	1537–1612	
.46	**Tasso, Torquato**	1544–95	
.47	Baldi, Bernardino	1553–1617	
.49	Minor poets		

851.5 **Period of decline 1585–1748**
From pontificate of Sixtus 5, 1585–90, to peace of Aix-la-Chapelle, 1748

.51 Chiabrera, Gabriello 1552–1637
.52 Marini, Giovambattista 1569–1625
.53 Testi, Fulvio 1593–1646
.54 Filicaja, Vincenzo da 1642–1707
.55 Guidi, Alessandro 1650–1712
.56 Manfredi, Eustachio 1674–1738
.57 Frugoni, Carlo Innocenzo 1692–1768
.58 Algarotti, Francesco 1712–64
.59 Minor poets

.6 **Period of renovation 1748–1814**
From peace of Aix-la-Chapelle, 1748, to congress of Vienna, 1814

.61 Paradisi, Agostino 1736–83
.62 Mascheroni, Lorenzo 1750–1800
.63 Pindemonte, Ippolito 1753–1828
.64 Monti, Vincenzo 1754–1828
.65 Cassi, Francesco 1778–1846
.66 Foscolo, Ugo 1779–1827
.67 Arici, Cesare 1782–1836
.68 Sestini, Bartolommeo 1792–1822
.69 Minor poets

.7 **Early 19th century 1814–59**
From congress of Vienna, 1814, to war of Independence, 1859

.71 Berchet, Giovanni 1783–1851
.72 Rossetti, Gabriello 1783–1854
.73 Manzoni, Alessandro 1785–1873 See 853.72
.74 Marchetti, Giovanni 1790–1852
.75 Leopardi, Giacomo 1798–1837
.76 Carrer, Luigi 1801–50
.77 Regaldi, Giuseppe 1809–83
.78 Prati, Giovanni 1815–84
.79 Minor poets

.8 **Later 19th century 1859–1900**
From war of Independence, 1859, to 1900

.81 Aleardi, Aleardo 1810–78
.82 Zanella, Giacomo 1820–88
.83 Gnoli, Domenico 1838–
.84 Carducci, Giosuè 1835–1907
..85 Fogazzaro, Antonio 1842–1911
86 Rapisardi, Mario 1844–
87 Guerrini, Olindo 1845–
.88
.89 Minor poets

.91 **Early 20th century 1901–**

852 Italian drama

.1 **Early Italian Age of Dante –1375**

.2 **Period of classic learning 1375–1492**

.21 Belcari, Feo 1410–84
.22 Poliziano, Angelo 1454–94 See 851.24
.29 Minor dramatists

852.3	**Age of Leo the Tenth 1492–1542**		
.31	Machiavelli, Niccolò	1469–1527	See also 854.31
.32	Dovizi, Bernardo (Cardinal Bibbiena)	1470–1520	
.33	Trissino, Gian Giorgio	1478–1550	
.34	Aretino, Pietro	1492–1556	
.35	Ambra, Francesco d'	–1558	
.39	Minor dramatists		
.4	**Later 16th century 1542–85**		
.41	Speroni, Sperone	1500–88	
.42	Giraldi, G. B. Cinzio	1504–73	See also 853.44
.43	Cecchi, Giovanni Maria	1517–87	
.44	Asinari, Federigo	1527–76	
.45	Porta, Giovambattista della	1538–1615	
.49	Minor dramatists		
.5	**Period of decline 1585–1748**		
.51	Buonarroti, Michelagniolo, jr	1564–1646	
.52	Rinuccini, Ottavio	1565–1622	
.53	Andreini, Giovambattista	1578–1650	
.54	Gigli, Girolamo	1660–1722	
.55	Zeno, Apostolo	1669–1750	
.56	Maffei, Scipione	1675–1755	
.57	Metastasio, Pietro A.D.B. (Trapassi)	1698–1782	
.59	Minor dramatists		
.6	**Period of renovation 1748–1814**		
	For Manzoni, see 851.73 and 853.72		
.61	Goldoni, Carlo	1707–73	
.62	Gozzi, Carlo	1722–1806	
.63	Capacelli Albergati, Francesco	1728–1804	
.64	Alfieri, Vittorio	1749–1803	
.65	Nota, Alberto	1775–1847	
.66	Biondi, Luigi	1776–1839	
.67	Benedetti, Francesco	1785–1821	
.69	Minor dramatists		
.7	**Early 19th century 1814–59**		
.71	Niccolini, Giovambattista	1782–1861	
.72	Pellico, Silvio	1788–1854	
.73	Giacometti, Paolo	1816–81	
.74	Gherardi del Testa, Tommaso	1818–82	
.75	Ferrari, Paolo	1822–89	
.79	Minor dramatists		
.8	**Later 19th century 1859–1900**		
.81	Bersezio, Vittorio	1830–1900	
.82	Cossa, Pietro	1833–82	
.83	Carrera, Valentino	1834–95	
.84	Marenco, Leopoldo	1831–99	
.85	Cavallotti, Felice	1842–98	
.86	Torelli, Achille	1844–	
.87			
.88			
.89	Minor dramatists		
.91	**Early 20th century 1901–**		

853 Italian fiction

.1	**Early Italian Age of Dante**	**–1375**	
.11	"Cento Novelle Antiche" (Gualteruzzi's collection)		
.12	Barberino, Francesco da	1264–1348	
.13	Pisa, Guido da	–1350	
.14	Gubbio, Bosone da		
.15	**Boccaccio, Giovanni**	1313–75	
.19	Minor writers		
.2	**Period of classic learning**	**1375–1492**	
.21	Sacchetti, Franco	–1400	
.22	Fiorentino, Ser Giovanni		
.23	Manetti, Antonio	1423–97	
.24	Mangabotti, Andrea dei		
.25	Gherardi, Giovanni, da Prato 15th century		
.29	Minor writers		
.3	**Age of Leo the Tenth**	**1492–1542**	
.31	Salernitano, Masuccio		
.32	Bandello, Matteo	1480–1561	
.33	Molza, Francesco	1483–1544	See also 851.34
.34	Firenzuola, Agnolo	1493–1548	
.39	Minor writers		
.4	**Later 16th century**	**1542–85**	
.41	Grazzini, Antonfrancesco (Lasca)	1503–83	
.42	Doni, Antonfrancesco	1513–74	
.43	Erizzo, Sebastiano	1525–85	
.44	Giraldi, G. B. Cinzio	1504–73	See also 852.42
.45	Parabosco, Girolamo	–1560	
.49	Minor writers		
.5	**Period of decline**	**1585–1748**	
.6	**Period of renovation**	**1748–1814**	
.7	**Early 19th century**	**1814–59**	
.71	Rosini, Giovanni	1776–1855	
.72	**Manzoni, Alessandro**	1785–1873	See also 851.73
.73	Grossi, Tommaso	1791–1853	
.74	Guerrazzi, Francesco Domenico	1804–73	
.75	Bresciani, Antonio	1798–1862	
.76	Cantù, Cesare	1807–95	
.77	Carcano, Giulio	1812–83	
.78	Azeglio, Massimo d'	1800–66	
.79	Minor writers		
.8	**Later 19th century**	**1859–1900**	
.81	Castellazzo, Luigi	1827–90	
.82	Barrili, Anton Giulio	1836–1908	
.83	Capuana, Luigi	1839–1917	
.84	Verga, Giovanni	1840–	
.85	Faldella, Giovanni	1846–	
.86	Farina, Salvatore	1846–	
.87	Giovagnoli, Raffaele	1838–	
.88	Serao, Matilde	1856–	
.89	Minor writers		
.91	**Early 20th century**	**1901–**	

854 Italian essays

.1	**Early Italian Age of Dante**	**–1375**	
.11	Cavalca, Fra Domenico	–1342	
.12	Passavanti, Fra Jacopo	–1357	
.2	**Period of classic learning**	**1375–1492**	
.21	Alberti, Leone Battista	1404–72	
.22	Palmieri, Matteo	1405–75	
.23	Bisticci, Vespasiano da	1421–98	
.24	Collenuccio, Pandolfo	–1504	
.25	Vinci, Leonardo da	1452–1519	
.29	Minor essayists		
.3	**Age of Leo the Tenth**	**1492–1542**	
.31	Machiavelli, Niccolò	1469–1527	See also 852.31
.32	Nardi, Jacopo	1476–1555	
.33	Castiglione, Baldassare	1478–1529	
.34	Guicciardini, Francesco	1482–1540	
.35	Giannotti, Donato	1494–1573	
.36	Giambullari, Pier Francesco	1495–1555	
.37	Gelli, Giovambattista	1498–1563	
.38	Varchi, Benedetto	1503–66	
.39	Minor essayists		
.4	**Later 16th century**	**1542–85**	
.41	Castelvetro, Ludovico	1505–71	
.42	Piccolomini, Alessandro	1508–78	
.43	Borghini, Vincenzo	1515–80	
.44	Davanzati, Bernardo	1529–1606	
.45	Salviati, Leonardo	1540–89	
.46	Ammirato, Scipione	1531–1601	
.47	Paruta, Paolo	1540–98	
.48	Botero, Giovanni	1540–1617	
.49	Minor essayists		
.5	**Period of decline**	**1585–1748**	
.51	Sarpi, Paolo	1550–1623	
.52	Galilei, Galileo	1564–1642	
.53	Bartoli, Daniello	1608–85	
.54	Dati, Carlo	1619–75	
.55	Gravina, Giovanni Vincenzo	1664–1718	
.56	Muratori, Ludovico Antonio	1672–1750	
.57	Giannone, Pietro	1676–1748	
.58	Zanotti, Francesco Maria	1692–1777	
.59	Minor essayists		
.6	**Period of renovation**	**1748–1814**	
.61	Bettinelli, Saverio	1718–1808	
.62	Denina, Carlo	1730–1813	
.63	Tiraboschi, Girolamo	1731–94	
.64	Lanzi, Luigi	1732–1810	
.65	Beccaria, Cesare	1735–93	
.66	Filangeri, Gaetano	1752–88	
.67	Cesari, Antonio	1760–1828	
.68	Perticari, Giulio	1779–1822	
.69	Minor essayists		

854.7	**Early 19th century**	**1814–59**	
.71	Costa, Paolo		1771–1836
.72	Giordani, Pietro		1774–1848
.73	Troya, Carlo		1785–1859
.74	Balbo, Cesare		1789–1853
.75	Capponi, Gino		1792–1878
.76	Mamiani della Rovere, Terenzio		1800–85
.77	Gioberti, Vincenzo		1801–53
.78	Tommaséo, Niccolò		1802–74
.79	Minor essayists		
.8	**Later 19th century**	**1859–1900**	
.81	Sanctis, Francesco de		1818–83
.82	Bonghi, Ruggiero		1827–95
.83	Conti, Augusto		1822–1905
.84	Villari, Pasquale		1827–1917
.85	Ardigò, Roberto		1828–1920
.86	Comparetti, Domenico		1835–
.87	Zumbini, Bonaventura		1840–
.88	Panzacchi, Enrico		1841–1904
.89	Minor essayists		
.91	**Early 20th century**	**1901–**	

855 Italian oratory Subdivided by periods like 851

856 Italian letters " " " " "

857 Italian satire and humor

.1	**Early Italian**	**Age of Dante**	**–1375**
.11	Gemignano, Folgore da San		
.12	Chitarra, Cene dalla		
.13	Angiulieri, Cecco		
.14	Pucci, Antonio		–1377
.19	Minor writers		
.2	**Period of classic learning**	**1375–1492**	
.21	Burchiello, Domenico		1395–1448
.22	Pulci, Luigi		1432–84
.23	Vinciguerra, Antonio		
.29	Minor writers		
.3	**Age of Leo the Tenth**	**1492–1542**	
.31	Folengo, Teofilo (Merlin Cocai)		1491–1544
.32	Berni, Francesco		1496–1535
.39	Minor writers		
.4	**Later 16th century**	**1542–85**	
.41	Nelli, Pietro		
.42	Beccuti, Francesco		1509–53
.43	Caporali, Cesare		1531–1601
.49	Minor writers		

857.5	**Period of decline**	**1585–1748**	
.51	Tassoni, Alessandro		1565–1635
.52	Bracciolini, Francesco		1566–1645
.53	Lalli, Giovambattista		1572–1637
.54	Lippi, Lorenzo		1606–64
.55	Rosa, Salvatore		1615–73
.56	Menzini, Benedetto		1646–1704
.57	Sergardi, Ludovico		1660–1726
.58	Fortiguerri, Niccolò		1674–1735
.59	Minor writers		
.6	**Period of renovation**	**1748–1814**	
.61	Gozzi, Gasparo		1713–86
.62	Passeroni, Gian Carlo		1713–1803
.63	Casti, Giovanni Battista		1721–1803
.64	Parini, Giuseppe		1739–99
.65	Baretti, Giuseppe		1716–89
.66	Elci, Angelo Maria d'		1754–1824
.67	Pananti, Filippo		1766–1837
.69	Minor writers		
.7	**Early 19th century**	**1814–59**	
.71	Giusti, Giuseppe		1809–50
.8	**Later 19th century**	**1859–1900**	
.91	**Early 20th century**	**1901–**	

858 Italian miscellany

.8	**Later 19th century**	**1859–1900**	
.81	Gubernatis, Angelo de		1840–
.82	Amicis, Edmondo de		1846–1908

859 Rumanian literature

Wallachian

.1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory .6 Letters
.7 Satire and humor .8 Miscellany

.9 **Romansh literature**

Subdivided like 859

860 Spanish literature

860.1 Philosofy .2 Compends .3 Dictionaries .4 Essays on Spanish literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History

861 Spanish poetry

.02 Dramatic .03 Romantic and epic .04 Lyric, ballads .05 Didactic .06 Descriptiv .07 Satiric and humorous .08 Collections .09 History of Spanish poetry

.1 Early Spanish –1369

In 711 the Visigothic kingdom, founded in the 5th century, was overthrown by Arabs; 711–1492 Arabic period or Age of reconquest

Literature began in first half of 12th century. Earliest poetry, epic; subjects national, themes war and religion (861.11–.12). These wer followd by an erudite tendency toward classic tradition neglecting national themes (861.13 and .14) which wer however revived toward the close of the period (861.15) by continued victories over Moors under Alfonso 11th, 1312–50, thereafter reaction again toward didactic (861.16). Under Alfonso the Wise, 1252–84, a general intellectual awakening, but leading to greater results in prose than in poetry. Thru him (1) Provençal (and Galician) and (2) Oriental influences wer introduced. In Provençal literature chief attention was given to perfection of poetic form. The Oriental was didactic in content, symbolic in form.

.11 Primitiv monuments

.12 **Poema de mio Cid**

.13 Berceo, Gonzalo de 1196–1266

.14 Segura de Astorga, Juan Lorenzo 1250

.15 Yañez Ruy (Cronica del Rey Alfonso Onceno)

.16 Sem Tob, Rabbi 1350

.19 Minor poets

.2 Age of imitation 1369–1516

Henry 2d to Carlos 1st, Charles 5th of Germany. 1479, Union of Castile and Arragon. Under Ferdinand and Isabella all Spain was brought under one scepter. Provençal and didactic tendencies continue; a third element was Italian influence. There wer 3 distinct schools:

1 Provençal, specially influential at court

2 Italian (Dante) or Allegoric, introduced by Francisco Imperial, a Genoese. (Mena, 861.22)

3 Didactic. A protest against the Italian school in behalf of national literary traditions. (Ayala, 861.21)

.21 Lopez de Ayala, Pedro 1332–1407

.22 Mena, Juan de 1411–56

.23 Mendoza, Iñigo Lopez de, Marqués de Santillana 1398–1458

.24 Manrique, Jorge 1440–79

.25 Los Cancioneros } Collections of poetry

.26 Los Romances } Collections of poetry

.27 **Romancero del Cid**

'Romances' popular poetry, peculiar to Spain, and generally anonymous; period of production, from earliest times to 18th century. Golden Age during reign of Ferdinand and Isabella, a grand reawakening coming with the fall of Granada, 1492

.29 Minor poets

861.3 Golden age 1516–1700

Rule of House of Austria. Painting culminates in this period: Morales 1509–86; Coello 1515–90; Joanes 1523–79; The Herrera — 16th century; Ribera 1588–1656; Zurbaran 1598–1662; Velazquez 1599–1660; Cano 1601–67; Murillo 1618–82, etc. Fierce opposition to the Reformation intensified religious sentiment and produced a school of mystics. The sentiment of nationality became a dream of universal monarchy. The chivalric cult of woman was replaced by an exaggerated conception of female honor, the least suspicion of frailty being visited with deth

Great number of poets. Nothing notable in epic; lyric very prominent; at first Italian influences more intensified, Petrarch the model. This movement, begun by Juan Boscan 1500(?)–1543, culminated in Garcilaso (861.31). The protest against this in favor of national traditions is best represented by Castillejo (861.32). Mendoza (861.36) represents a conciliation. A fusion of 2 schools follows in which the Italian wins the major influence. Thereafter appear 2 new schools:

1 Classic, opposed to the fusion and represented by Leon (861.33) and the Argensolas (861.34) and

2 Sicilian or Oriental (inspired specially by the Bible) of which Herrera (861.35) is standard bearer. First manifestations of ' bad taste ' appear (founder of school, Alonso de Ledesma 1552–1623) represented by Gongora (861.37) which despite opposition (Rioja 861.38) produces rapid decadence. Bad taste consisted in artificialities, exaggerations, obscurities, etc.

.31	Garcilaso de la Vega	1503–36
.32	Castillejo, Cristóbal de	1494–1596
.33	Leon, Luis Ponce de	1528–91
	Leon is equally important in prose	
.34	Los Argensolas: Lupercio	1563–1613
	Bartolomé Leonardo	1564–1631
.35	Herrera, Fernando de	1534–97
.36	Hurtado de Mendoza, Diego	1503–75
.37	Góngora y Argote, Luis de	1561–1627
.38	Rioja, Francisco de	1600–59
.39	Minor poets	

.4 18th century 1700–1800

At deth of Carlos 2d (1700) war of succession resulted in firm establishment of house of Bourbon, which, with brief interruptions, continued to rule til 1931. Spanish political importance lost. At opening of century complete decadence, ' bad taste ' everywhere dominant. Attempts made to regenerate Spanish letters according to principles of French classicism. Little advance, however, til close of century, despite foundation of academies (Spanish academy, 1714) and doctrinal reform in French sense, proclaimd by Luzan (1702–54) in *La poetica*, etc. Thereafter a kind of revival. 3 schools formd:

1 Classic French. Moratin the elder (861.41); Cadalso (861.42); Yriarte (861.45) and Samaniego (861.44)

2 Antique national, protesting against introduction of French taste. Huerta (861.43)

3 Salamanca school, an attempt to reconcile the first 2, avoiding their extravagances and conserving what was good in each. Valdés (861.46); Iglesias (861.47); Cienfuegos (861.48); Moratin the younger (862.42) and Jovellanos (868.42). ' Prosaism ' production of exaggerated opposition to Gongorism or ' bad taste ' also characterizes period. Influence of French encyclopedism also manifest. Development of science checkt by religious (Inquisition) and political despotism. Rich development of fables and apologs in verse. Samaniego (861.44) and Yriarte (861.45). In epic, complete poverty

.41	Moratin (the Elder), Nicolás Fernandez de	1737–80
.42	Cadalso, José de	1741–82
.43	Huerta, Vicente Antonio García de la	1734–87
.44	Samaniego, Félix María de	1745–1801
.45	Iriarte y Oropesa, Tomás de	1750–91
.46	Valdés, Juan Melendez	1754–1817
.47	Iglesias de la Casa, José	1748–91
.48	Cienfuegos, Nicasio Alvarez de	1764–1809
.49	Minor poets	

861.5 **19th century 1800–1900**

Abdication of Carlos 4th, 1808; Joseph 1st (Bonaparte) 1808–13. Ferdinand 7th restored. Salic law abrogated, opening succession to daughter Isabella. Carlist insurrections (upholding Salic law) queld. Isabelia driven from throne by revolution 1868; 1870–73 Amadeo (Savoy house), 1873, Amadeo abdicates and republic proclaimd; monarchy restored with Alfonso 12th in 1875

Age, till close of Ferdinand's reign, very unfavorable to letters. Under Carlos 4th (1788–1808) despotism reintroduced and revolution followd. Policy of Ferdinand 7th, after restoration (1813–33), retrograde. An interregnum in letters. First real awakening with Espronceda (861.52). Same fluctuations as in previous period. Romantic school introduced by Zorrilla (861.53)

.51 Quintana, Manuel José 1772–1857
.52 Espronceda, José de 1810–42
.53 Zorrilla y Moral, José 1817–90
.54 Gutierrez, Antonio García 1812–84
.55 Gil y Zárate, Antonio 1792–1861
.56 Hartzembusch, Juan Eugenio 1806–80
.59 Minor poets

.6 **Early 20th century 1901–**

862 Spanish drama

.2 **Age of imitation 1369–1516**

Evidences of existence of 'mysteries' but no remains

.21 Enzina, Juán del (?)1468–1534

.3 **Golden age 1516–1700**

Drama of this period is chief glory of Spanish letters; writers show a phenomenal fecundity (at 70 'Lope' had written 1500 dramas), 30,000 dramas composed by beginning of 18th century. At opening of period Church tried to check development of profane drama, placing nearly all in the *Index*. Torres Naharro (works pub. 1517) and Lope de Rueda (d. 1567) form transition from preceding period. Latter, reputed father of national theater. Lope de Vega (862.31) real founder. Drama culminates in Calderon (862.35); thereafter decadence

.31 Vega Carpio, Lope Felix de 1562–1635
.32 Cāstro y Bēlvis, Guillen de 1569–1631
.33 Tellez, Gabriel (Tirso de Molina, pseud.) (?)1570–1648
.34 Ruiz de Alarcon y Mendoza, Juan (?)1580–1639
.35 **Calderon de la Barca, Pedro** 1600–81
.36 Rojas Zorrilla, Francisco de 1607–48
.37 Moreto y Cabaña, Agustin 1618–69
.39 Minor dramatists

.4 **18th century 1700–1800**

Complete decadence of drama in last years of old monarchy. Revival in 18th century, following French classic drama. Culminates in Moratin the younger (862.42). Opposition of National school voiced in Huerta (861.43). Discussions provoke abundant productions, fecundity rather than merit caracterizing mass of writers, Comella (862.41) — Period of unrest; old ideas can not be reestablisht, new can not be naturalized. For Moratin the elder, see 861.41; Huerta, 861.43

.41 Comella, Luciano Francisco 1716–79
.42 Moratin, Leandro Fernandez de 1760–1828
.43 Cruz Cano y Olmedilla, Ramon Francisco de la 1731–94
(Light comedies)
.49 Minor dramatists

.5 **19th century 1800–1900**

Zorrilla (861.53), Gutierrez (861.54), and Rubí (862.52) represent 'romantic' movement in Spanish drama. For Gil y Zárate, see 861.55; Hartzembusch 861.56

.51 Martinez de la Rosa, Francisco 1789–1862
.52 Rodriguez Rubí, Tomás 1817–90
.53 Bretón de los Herreros, Manuel 1796–1873
.59 Minor dramatists

.6 **Early 20th century 1901–**

863 Spanish fiction

.2 **Age of imitation** 1369–1516

Immense vogue of books of chivalry despite legislation til publication of *Don Quijote;* thereafter only one written. [First part of Quijote printed 1605]

.21 Books of chivalry

.22 **Amadis de Gaula**

.23 *Celestina*

.3 **Golden age** 1516–1700

Real novel replaces old books of chivalry about 1500. 'Picaresca,' or 'rogue' novel characteristic of this period; a result of the state of society following wars of Charles 1st and Philip 2d, e. g. Mendoza's *Lazarillo de Tormes.* For Mendoza, see 861.36

.31 Montemayor, Jorge de 1520–61

.32 **Cervantes Saavedra, Miguel de** 1547–1616

.39 Minor novelists

.4 **18th century** 1700–1800

.5 **19th century** 1800–1900

For Bretón de los Herreros, see 862.53; and Rodriguez Rubí, 862.52

.51 Larra, Mariano José de [Figaro] 1809–37

.52 Mesonero y Romanos, Ramón de 1803–82

.53 Arrom, Cecilia Boehl de [Fernan Caballero] 1797–1877

.59 Minor writers

.6 **Early 20th century** 1901–

864 Spanish essays

Subdivided by periods like 861

865 Spanish oratory

Hardly any forensic and little sacred eloquence. When language and culture advanced, privileges of Cortes restraind. Sacred eloquence less employd by Spanish church than by French or English. Gongorism or 'bad taste' conquers here as elsewhere

.1 **Early Spanish** –1369

.2 **Age of imitation** 1369–1516

.3 **Golden age** 1516–1700

For Luis de Leon, see 861.33; and Luis de Granada, 868.32

.4 **18th century** 1700–1800

For Jovellanos, see 868.42; and Valdés, 861.46

.5 **19th century** 1800–1900

.51 Olozaga, Salustiano de 1803–73

.52 Castelar, Emilio 1832–99

.6 **Early 20th century** 1901–

866 Spanish letters

.3 **Golden age** 1516–1700

Naturalness of old times changed with majestic court and rigid etiquet of Charles 5th. For Santa Teresa, see 868.33

.31 Avila, Juan de 1502–69

.32 Perez, Antonio 1540–1611

.39 Minor writers

867 Spanish satire and humor

.1 **Early Spanish –1369**

Ruiz, Juan (Arcipreste de Hita) 1350

.2 **Age of imitation 1369–1516**

Coplas de Mingo Revulgo

.3 **Golden age 1516–1700**

Quevedo Villegas, Francisco Gomez de 1580–1645

.4 **18th century 1700–1800**

For Cadalso, see 861.42; and Moratin the younger, 862.42

.41 Jorge Pitillas (a pseudonym)

.42 Isla, José Francisco de (el Padre) 1703–81

868 Spanish miscellany

.1 **Early Spanish –1369**

.11 Alfonso 10, el Sábio 1221–84

.12 Sancho el Bravo (4th of Castile) 1258–95

.13 Juan Manuel, infante of Castile 1282–1347

.14 Alfonso 11 1310–50

.19 Minor writers

.2 **Age of imitation 1369–1516**

General and special histories, books of travel, works cald forth by Boccacclo's *Corvaccio*, etc.

.3 **Golden age 1516–1700**

Didactic prosc. Considerable development, tho less than poetry, owing in great mesure to political and religious restraints. 'Bad taste' manifests itself here as elsewhere. Luis de Granada, Santa Teresa, San Juan de la Cruz, Pedro de Rivadeneyra and Luis de Leon, representativs of Mystic school

For Luis de Leon, see 861.33; and Quevedo Villegas, 867.3

.31 Mariana, Juan de, founder of Spanish history 1536–1623

.32 Granada, Luis de 1504–88

.33 Teresa de Jesús, Santa 1513–82

.34 Cruz, San Juan de la 1542–91

.35 Rivadeneyra, Pedro de 1527–1611

.36 Saavedra Fajardo, Diego de 1584–1648

.39 Minor writers

.4 **18th century 1700–1800**

Under Carlos 3d (1759–88) scientlfic studies took a fresh start, due largely to Feijóo, who attempted intellectual emancipatlon of Spain. Prose advances und r French influencc, Gallicisms introduced

.41 Feijóo y Montenegro, Benito Jerónimo 1676–1764

.42 Jovellanos, Gaspar Melchor de 1744–1811

.49 Minor writers

.5 **19th century 1800–1900**

For Hartzembusch, J E, see 861.56

.51 Gayangos, Pascual de 1809–97

.52 Rios, José Amador de los 1818–78

.53 Milá y Fontanals, Manuel 1818–84

.59 Minor writers

.6 **Early 20th century 1901–**

868.99 Spanish dialect and local literature

.991 General questions

1–8 divided by literary form like 811–818, e.g. 868.9911 Spanish dialect poetry

.992 Spanish dialect and local literature of Spain

Divided like 946, under each 1–8 may be used for literary form like 811–818, etc. as explaind under 818.94; e.g. 868.9924 Spanish literature of New Castile, 868.99242 Spanish drama of New Castile

.994–.999 Other Spanish dialect and local literature divided geografically like 940–999, under each 1–8 may be used for literary forms like 811–818; e.g. 868.99694921 Spanish poetry of Spanish Morocco. For detaild statement of procedure see note under 818.94. For application of method see 868.997–.998 North and South American Spanish literature

.997 North American Spanish literature

1–8 Literary forms (1 Poetry, 2 Drama, etc. like 811–818), e.g. 868.9971 North American Spanish poetry

9 North American local Spanish

Divided like 971–979, using 1–8 after each geografic subdivision for literary forms; e.g. 868.99792 Mexican Spanish literature, 868.997921 Mexican Spanish poetry; 868.997929 Mexican local, 868.9979295 Spanish literature of Mexico City and Federal district; 868.99798 Central American Spanish literature, 868.9979891 Guatemalan Spanish literature; 868.99799 Spanish literature of West Indies, 868.99799911 Cuban poetry

.998 South American Spanish literature

Spanish American literature in general 1 Poetry, 2 Drama, 3 Fiction, 4 Essays, 5 Oratory, 6 Letters, 7 Satire and humor, 8 Miscellany

9 South American local

Divided like 981–989, using 1–8 under each geografic subdivision for literary forms

92 Argentine Spanish literature

921 Poetry, 922 Drama; etc.

929 Argentine local

93 Chilean Spanish literature

931 Poetry, 932 Drama; etc.

939 Chilean local

Etc.

869 Portuguese literature

.1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory .6 Letters
.7 Satire and humor .8 Miscellany

.8998 South American Portuguese literature

81–88 Literary forms, 89 Local, 891 Brazilian

.9 Galician literature

Subdivided like 869

870 Latin literature

.1 Philosofy .2 Compends .3 Dictionaries, cyclopedias .4 Essays on Latin literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History of Latin literature

For 'classic' literature (including both Greek and Latin) see 880

871 Latin poetry in general

See Dramatic, Epic and Lyric below

.1 Lucretius Carus, Titus

.2 Ovid (Publius Ovidius Naso)

.3 Hyginus, Caius Julius

.4 Faliscus, Gratius

.5 Manilius, Marcus

.6 Phaedrus

.7 Lucilius Junior *Ætna*

.8

872 Latin dramatic poetry

.1 Andronicus, Livius

.2 Naevius, Cnaeus

.3 Plautus, Titus Maccius

.4 Ennius

.5 Terence (Publius Terentius Afer)

.6 Seneca, Lucius Annaeus See also 878.5

.7

873 Latin epic poetry

.1 Virgil (Publius Virgilius Maro)

.2 Lucanus, Marcus Annaeus

.3 Flaccus, Caius Valerius

.4 Silius Italicus, Tiberius Caius

.5 Statius, Publius Papinius

.6

874 Latin lyric poetry

.1 Catullus, Tibullus and Propertius

.2 Catullus, Valerius

.3 Tibullus, Albius

.4 Propertius, Sextus Aurelius

.5 Horace (Quintus Horatius Flaccus) See also 877.3

.6 Calpurnius Siculus

.7

875 Latin oratory

.1 Cicero, Marcus Tullius: complete works
For Cicero's letters see 876.1

.2 Orations

.3 Rhetorical works

.4 Philosofic works See also 186.3

.5 Messala Corvinus, Marcus Valerius

.6 Quintilian (Marcus Fabius Quintilianus)

.7

876 Latin letters

.1 Cicero, Marcus Tullius For his other works see 875.1–875.4

.2 Pliny (Caius Plinius Caecilius Secundus)

.3 Fronto, Marcus Cornelius

.4

877 Latin satire and humor

.1 Lucilius, Caius

.2 Cato, Valerius

.3 Horace See 874.5

.4 Persius Flaccus, Aulus

.5 Petronius Arbiter, Caius

.6 Martial (Marcus Valerius Martialis)

.7 Juvenal (Decimus Junius Juvenalis)

878 Latin miscellany

.1 Caesar, Caius Julius

.2 Sallust (Caius Sallustius Crispus)

.3 Nepos, Cornelius

.4 Livy (Titus Livius Patavinus)

.5 Seneca, Lucius Annaeus See also 872.6 and 188.6

.6 Tacitus, Caius Cornelius

.7 Suetonius Tranquillus, Caius

.8 Curtius Rufus, Quintus

.9 Other writers

879 Medieval and modern Latin Other Italic
Romance literatures in general
Subdivided like 820. .1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory .6 Letters .7 Satire and humor .8 Miscellany

880 Greek literature

Classic literature

.1 Philosofy .2 Compends .3 Dictionaries .4 Essays on Greek literature .5 Periodicals .6 Societies .7 Study and teaching .8 Collections .9 History of Greek literature

881 Greek poetry in general

See Dramatic, Epic, and Lyric, below

.1 Theognis
.2 Aratus
.3 Lycophron
.4 Babrius

882 Greek dramatic poetry

.1 Æschylus
.2 Sophocles
.3 Euripides
.4 Aristophanes
.5 Epicharmus
.6 Menander

883 Greek epic poetry

.1 Homer
.2 Hesiod
.3 Apollonius Rhodius
.4 Oppian
.5 *Orphic poems*

884 Greek lyric poetry

.1 Tyrtaeus
.2 Sappho
.3 Anacreon
.4 Simonides of Ceos
.5 Pindar
.6 Theocritus
.7 Bion
.8 Callimachus
.9 Other Greek lyric poets

885 Greek oratory

.1 Andocides
.2 Lysias
.3 Isaeus
.4 Isocrates
.5 Æschines
.6 Demosthenes
.7 Hyperides
.8 Lycurgus
.9 Other Greek orators

886 Greek letters

.1 Themistocles
.2 Alciphron
.3 Phalaris

887 Greek satire and humor

For comedies of Aristophanes see 882.4

.1 Archilochus
.2 Simonides of Samos
.3 Hipponax

888 Greek miscellany

.1 Herodotus
.2 Thucydides
.3 Xenophon
.4 Plato See also 184.1 Platonic philosofy
.5 Aristotle See also 185.1 Aristotelian philosofy

Or, if preferd, the works of Plato and Aristotle may be put in 184.1 and 185.1

.6 Æsop
.7 Lucian
.8 Plutarch See also 186.2
.9 Other writers

889 Medieval and modern Greek Other Hellenic

.1 Poetry .2 Drama .3 Fiction .4 Essays .5 Oratory .6 Letters .7 Satire and humor .8 Miscellany

890 Literature of other languages

Subdivided like 490, Philology of other languages. If wisht 1 Poetry; 2 Drama, etc., can be used after the language number; e.g. Russian drama is 891.72, Hebrew poetry 892.41. Bengali poetry 891 441. See also Supplementary table 3

History

Thruout local history, 930-999, single 0 divisions ar reservd for historical periods, except in general Irish (941.5) and general U. S. (973) history. Period divisions designated for the history of any country may be applied to any of its subdivisions; e.g. 942.06 History of England under the Stuarts, 942.6706 History of Essex co., Eng., under the Stuarts

900 History in general

901–909 all hav *History in general* as their subject, but it is treated in these various *forms*. A periodical on English history goes in 942.005, not 905, which is only for periodicals on history in general. Naught (0) in any clas number in any part of the classification shows the subject to be general, not specific

901 Philosofy, theories, etc. History of civilization

902 Compends, chronologies, charts, outlines

For chronology as a science, see 529

903 Dictionaries, cyclopedias, etc.

904 Essays, lectures, addresses

905 Periodicals, historical magazines

906 Societies, transactions, etc.

907 Historiografy, methods of teaching, writing, etc.

908 Polygrafy, collected works, extracts, etc.

909 Universal and general modern histories

For general Ancient histories, see 930

.1 A. D. 476—1199	.5 1500—1599	.81 1800—99
.2 1200—1299	.6 1600—1699	.82 1900—99
.3 1300—1399	.7 1700—1799	
.4 1400—1499	.8 1800—	

910 Geografy Travels Description

Including topografy, maps, antiquities, descriptions, etc.

For map projection, see 526.8. See also 310 Statistics, 390 Customs and costumes

For directories, guidebooks, gazetteers, etc. of special countries or geografic sections see under those sections, 913–919

.1

.2 Traveler's manuals, guidebooks

.3 Dictionaries, gazetteers

.4 Circumnavigations, ocean travel, shipwrecks and disasters, piratic adventures

.5 Periodicals

.6 Societies

.7 Study and teaching of geografy: school map drawing

For primary teaching of geografy see 372.891

.8 Collections of travels, etc.

.9 History of geografy, travels, explorations, etc.

911 Historic Growth and changes in political divisions, etc. Subdivided like 930-999

912 Maps, atlases, plans of cities, etc.
Subdivided like 930-999

913 Antiquities, archeology, of special countries
See also 220.93 Biblical antiquities; 340.3 Legal antiquities; 571 Prehistoric archeology; 930 Ancient history; 390 Special customs

.3 **Antiquities of ancient countries**
Subdivided like 930, e.g. 913.32 Egyptian antiquities. Antiquities of countries having both ancient and modern history numbers should be clast in 913.3 unless the antiquities relate wholly or mainly to the country after it entered the 'modern' period

.4-.9 **Antiquities of modern countries**
Subdivided like 940-999, e. g. 913.42 English antiquities. See aiso note under 913.3

914 Europe
915 Asia
916 Africa
917 North America
918 South America
919 Oceania and Polar regions

914-919 is subdivided like 940-999. Whenever these main geografic hedings occur they may be subdivided exactly like History. The full list of subheds is printed only under 940-999. In assigning numbers to travels, use the history tables, *insert* 1 *after the initial* 9, and move the decimal point; e. g. Guide to N.Y.city is 917.471, for N.Y. city in history tables is 974.71

920 Biografy

Including autobiografy, diaries, personal narrativs, eulogies, biografic dictionarles, etc. All biografy is here groupt together under the main classes, and subdivided in the same way with the variations indicated below for Philosofy, Theology, and Sociology, i. e. the biografy of science is divided like science itself, see 500–599. Lives of chemists ar 925.4; of botanists, 925.8; of sailors, 926.56; of actors, 927.92; of the inventor of hard rubber, 926.78, etc. The rule is to giv each life the number of the subject it illustrates most, or to the student of which it wil be most useful.

Lives which wil not go under any hed without 'forcing' ar best put in a single alfabet under the 3 figures 920 for men and under 920.7 for women

Another plan is to scatter biografy with the other books, using 920-928 only for general works, cross references, etc. This simply omits the first 2 figures 92, and the life of a botanist is 580 instead of 925.8, and goes with botanic books. This plan may be carried out more specificly where 9 has been used for the history of a subject, by adding for biografy the figure 2, making the life of a botanist 580,92

A 3d plan, specially adapted to public libraries, is to arrange all individual biografies in a single alfabet under 92 (better than B, which is often used but which has no logical position in a numeric arrangement). Group 92 may be shelvd before 920, under which all collectiv biografies may be arranged in a single alfabet, but it is generally better to distribute these under more specific numbers 921–928 printed below

General and collectiv by localities

Including only collected lives too general to go under any subject heding

.01	Universal	
.02	Partial collections not limited to any special country or subject	
.03	Ancient	920.03–.09 Divided like 930–999
.04	Of Europe	
.05	" Asia	
.06	" Africa	
.07	" North America	
.08	" South America	
.09	" Oceania	

920 Individual and collectiv by subjects

.1 Bibliografers

.2 Librarians

.3 Encyclopedists

.4 Publishers Booksellers

.5 Journalists

.6 Academicians

.7 Women Collected, and individual lives not clearly going with any subject

.8 Eccentrics, cranks, fools, insane, etc. See also 132.1 Insanity

.9 Other special classes not included in 921–928

Divided like the whole classification, e.g. 920.9139 Phrenologists, 920.99291 Genealogists

921 Of philosofy

.1 American Canadian

For Latin American (Mexican, etc.) see under 921.8

.2 British

English, Scotch, Irish, Welsh. For Canadian see 921.1

.3 German Austrian

.4 French

.5 Italian

.6 Spanish

.69 Portuguese

.7 Slavic, etc.

Divided like 947

.8 Other modern

Divided like 940–999, except for those specially provided for above and modern oriental to be clast in 921.9; e.g. 921.8438 Polish, 921.8485 Swedish, 921.8492 Dutch, 921.872 Mexican

.9 Ancient Oriental Patristic Scholastic See 180–189

922 Of religion: clergy, missionaries, preachers

922.1–922.88 may be subdivided for nationality like 930–999

.1 Primitiv apostles, fathers, etc. oriental, Greek, Russian

See 225.92 for New Testament biografy

.2 Roman catholic: popes, cardinals, etc.

.21 Lives of popes .22 Hagiology

.3 Anglican and protestant episcopal

.4 Continental protestant: Lutheran, Huguenot

.5 Presbyterian and congregational

.6 Baptist Immersionist

.7 Methodist

.8 Unitarian, universalist and other Christian

.81 Unitarian Universalist

.83 Mormons

.84 New church or Swedenborgian

.85 Christian science

.86 Quaker

.87 Mennonite

.88 Shaker

.89 Other Christian sects

922.9 Nonchristian
.91 Atheist
.92 Greek and Roman
.93 Early Teutonic
.94 Brahman Buddhist
.95 Parsee
.96 Jew
.97 Mohammedan
.98
.99 Other nonchristian religions

923 Of sociology

923.1–923.9 may be subdivided for nationality, as in 930–999; e. g. the life of an English king is 923.142; of a Russian czar, 923.147; of a Chinese general, 923.551

.1 Chief rulers: kings, queens, emperors, presidents
.2 Political science: legislativ dep't, governors, politicians, statesmen, nobles, etc. For slaves, see 326.92
.3 Political economy: bankers, capitalists, financiers
.4 Law: judiciary dep't, lawyers, judges
.41 Criminals
.5 Administration: army and navy, civil servis
.6 Associations and institutions Philanthropists, etc.
.7 Education: teachers, school offisers, educators
.8 Commerce and communication: railway officials, merchants, etc.
.9 Manners and customs: society, travelers, discovery

924 Of philology
925 " science
926 " useful arts
927 " fine arts
928 " literature

See note under 920 about subdividing. It is seldom wise to use more than 4 figures, unless in a large special collection; e. g. in a music library, lives of pianists may be separated as 927.862. Professors known as specialists go with the subject taught rather than with teachers; e. g. a professor of geology 925.5; but if more prominent as an educator than as a geologist he goes in 923.7

In adding figures for the subdivisions of literature, as in 810–899, clas historians with miscellaneous authors as 8; i.e. Gibbon's life is 928.28; 928.31 is life of a German poet, and 928.691 is life of a Portuguese poet. For general collectiv biografies of literary men 928.081–.087 may be divided like 808.1–.7; clas lives of historians in 928.088; for genealogists see note under 920.9

929 Genealogy and heraldry

.1 **Genealogies**

.2 Families

.3 Registers of births, baptisms, marriages, deths

.4 Names of persons and places

.5 Epitafs

.6 **Heraldry**

.7 **Peerage, precedence, titles of honor Royal houses**

.71 **Orders of knighthood**

.711 St John of Jerusalem

.712 Templars

.713 Teutonic knights

.714 Garter

.715 Golden Fleece

.716 Holy Ghost

.717

.718

.719

.72 **Great Britain and Ireland**

.7201 Peerage Royal houses

.7202 Baronetage

.7203 Knightage

.7204 Dignities, prccedence

.7205 Landed gentry

.7206 Visitations Alfabeted by counties

.73 **Germany**

.74 **France**

.75 **Italy**

.76 **Spain**

.769 **Portugal**

.77 **Russia**

.78 **Scandinavia**

Further subdivided locally, if needed, like 943-948. Under any geografic division 01-06 may be used as shown above under 929.72

.79 **Other European countries**

Divided like 949; countries outside Europe ar pu together in 929.7999 divided like 930-999

.8 **Coats of arms, crests**

.9 **Flags**

930 Ancient history –476 A.D

931 China Serica –AD420 (circa)

Later history is clast in 951. If preferd all works on history of China may be brought together under 951 (see note under 951.01). For note on dates and spelling see under 951

.01 **Earliest period** –1122BC

Mythologic and legendary history to circa 1500BC

.02 Hsia dynasty 2205–1766BC

.03 Shang or Yin dynasty 1766–1122BC

.04 **Chou dynasty** 1122–255BC

Feudal age (800–771), Ch'un-Ch'iu or Age of Spring and Autumn (770–473), Chan-kuo or Age of the Contending states (473–221)

.05 **Chin (Tsin) dynasty** 255–206BC

.06 **Han dynasty** 206BC–AD221

(The Empire, 221BC–AD88) .062 Western Han 206BC–AD25 .065 Eastern Han AD25–221

.07 **The Three Kingdoms** 221–265

.072 Wei 220–265 .074 Shu 221–265 .076 Wu 229–265

.08 **Chin (Tsin) dynasty** 265–420

.082 Western Chin (Tsin) 265–317 .085 Eastern Chin (Tsin) 317–420

932 Egypt

933 Judea Jewish Palestine

934 India

935 Medo-Persia

.1 **Chaldea**

.2 **Assyria** **Nineveh**

.3 **Media**

.4 **Babylonia**

.5 **Persia**

.6 **Parthia**

.7 **New Persian or Sassanian**

.8 **Mesopotamia**

.9 **Susiana**

936 Races forming the new European nations Barbarians

To fall of Western empire, A. D. 476

.3 **Germans**

.31 Burgundians Bourguignons Vandals Alani

.311 Burgundians

.312 Bourguignons

.313 Vandals

.314 Alani

.32 Saxons and Angles

For history after 476 A. D. see 942 England

.321 Saxons

.322 Angles

936.33 Alemanni Heruli Suevi
.331 Alemanni
.332 Heruli
For history after 476 A. D. see 945 Italy
.333 Suevi
For history after 585 A. D. see 946 Spain.
.35 Lombards
For history after 572 A. D. see 945.01 Italy
.36 Goths
.361 East Goths Ostrogoths
For history after 493 A. D. see 945.01 Italy
.362 West Goths Visigoths
For history after 476 A. D. see 946 Spain
.4 **Kelts**
For history of Gaul see 944 France
.7 **Slavs**

937 Rome Italy

Period divisions

.01	Kings	753–509 B. C.
.02	Republic	509– 31 "
.03	Conquest of Italy	509–264 "
.04	Punic wars	264–146 "
.05	Civil strife	146– 31 "
.06	Empire	31 B. C.–476 A. D.
.07	Constitutional	31 " –284 "
	Augustus—Illyrian emperors	
.08	Absolute	284–476 "
.09	Division of empire	395–476 "
	Barbarian conquests and fall of Western empire	

Geografic divisions

.1 **Liguria**
.2 **Gallia Cisalpina**
.3 **Venetia Istria**
.4 **Umbria Picenum Sabini, etc.**
.5 **Etruria**
.6 **Latium, Rome**
.7 **Southern Italy: Campania, Samnium, Apulia, etc.**
.8 **Sicily, Syracuse**
.9 **Sardinia Corsica**

938 Greece

Period divisions

.01	Mythical age	–776 B. C.
.02	Growth of states	775–500 "
.03	Persian wars Union of Greece	500–479 "
.04	Athenian supremacy	479–431 "
.05	Peloponnesian war	431–404 "
.06	Spartan and Theban supremacy	404–362 "
.07	Macedonian supremacy	362–323 "
.08	Roman conquest of Greece	323–146 "
.09	Greek subjection	146 B C.–323 A. D.
	Byzantine empire is clast 949.5	

Geografic divisions of Greece

938.1 Macedonia
.2 Thessaly Epirus
.3 Acarnania Ætolia Locris Doris Phocis Itnaca
.4 Boeotia Megaris Euboea
.5 Attica
6 Peloponnesus
.7 Corinthia Achaia
.8 Elis Arcadia Argolis
.9 Messenia Laconia Sparta

939 Other countries

.1 Grecian archipelago
.11 Northern ilands: Thasos, Lemnos, etc. .12 Lesbos .13 Chios, etc. .14 Samos, etc. .15 Cyclades .16 Rhodes, etc. .17 Carpathos .18 Crete

.2 Western Asia Minor
.21 Mysia, Troas .22 Lydia .23 Ionia .24 Caria .25 Bithynia .26 Phrygia .27 Pisidia .28 Lycia .29 Pamphylia

.3 Eastern Asia Minor
.31 Paphlagonia .32 Galatia .33 Pontus .34 Cappadocia .35 Cilicia .36 Commagene .37 Cyprus

.4 Syria
.41 Upper Syria .42 Coele Syria .43 Palmyra .44 Phenicia, Tyre .45 Palestine: Hittites, Philistines, etc. .46 Edom, Moab, Bashan, etc. .47 Arabia .48 Arabia Petraea, Sinai

.5 Northwestern Asia
.51 Scythia .52 Sarmatia Asiatica .53 Colchis .54 Iberia .55 Armenia .56 Albania

.6 South Central Asia
.61 Sogdiana .62 Hyrcania .63 Margiana .64 Bactriana .65 Ariana

.7 Minor African countries
.71 Mauritania .72 Numidia .73 Africa Propria, Carthage .74 Syrtica Regio .75 Cyrenaica .76 Marmarica .77 Libya, Gaetulia .78 Ethiopia

.8 Southeastern Europe
.81 Sarmatia Europa .82 Dacia .83 Vindelicia .84 Rhaetia .85 Noricum .86 Pannonia .87 Illyria .88 Moesia .89 Thracia

Modern history

940 Europe

From fall of the Western empire (Rome) A. D. 476

.1 Medieval Europe 476–1453

For Byzantine empire see 949.5

.11 Rise of new nations 476– 800

.14 Age of feudalism 800–1100

See also 321.3 Feudalism (Political science)

Charlemagne 768–814

Norman conquests

.17 Age of chivalry 1100–1453

To fall of Eastern empire (Constantinople) 1453

.18 Crusades 1096–1270

See also church history, 270.4–.5

.181	1st	crusade	1096	(Peter the Hermit)
.182	2d	"	1147	(St Bernard)
.183	3d	"	1190	(Richard Coeur de Lion)
.184	4th	"	1202	(Baldwin of Flanders)
.185	5th	"	1212	(Children's crusade)
.186	6th	"	1217	(Capture of Jerusalem)
.187	7th	"	1228	
.188	8th	"	1248	(St Louis)
.189	9th	"	1270	"

.2 Modern Europe 1453–

.21 Renaissance period 1453–1517

Discoveries and inventions

.22 Age of the reformation 1517–1789

.23

.24 30 years war 1618–48

.25

.26

.27 Napoleonic period 1789–1815

.28 19th century 1815–1914

.29

.3 World war 1914–19

SUMMARY OF 940.3–.4

.31 Political history

.32 Diplomatic history

.33 Groups of countries: allies and neutrals

.34–.39 Individual countries

.4 Military history

.41 Land operations

.42–.43 Special campains and battles

.44 Air warfare

.45 Naval history

.46 Celebrations, commemorations

.47 Prisons, hospitals, welfare work

.48 Personal narrativs, secret servis, propaganda

.49 Illustrativ material

940.31 Political history

.311 Causes

Conditions and events mentiond below ar to be clast here only when considerd distinctly as causes of the war, otherwize under their own numbers

2 **Historical, political and diplomatic causes**

Militarism. Imperialism (See 321.03). Pan-Slavism (See 327.47). Pan-Germanism (See 327.43). Near East question, Congress of Berlin (See 341.1). Triple alliance, Dual alliance, Triple entente (See 341.2). Diplomatic crises: 1st Moroccan crisis 1905–6, annexation of Bosnia and Herzegovina 1909, 2d Moroccan crisis 1911. Balkan leag 1912. Treatics of Lausanne, 1912; London, 1913; Bukarest, 1913 (See 341.2 Treaties). Crisis of 1914: assassination of Archduke Francis Ferdinand; ensuing complications

3 **Economic causes**

Socialism (See 335). Commercial rivalry. Desire foi colonial empires: Over-population in Europe, Food supply, Outlet for manufactures, Ambition for cultural expansion

.312 Efforts to preserv or restore peace

See also 940.32 Diplomatic history

Proposed: Hague mediation by Serbia, conference in London by Grey, submission to Hague tribunal by Russia, submission of problems to the great powers by Russia

2 **By year**

24 In 1914
25 " 1915
26 " 1916
27 " 1917
28 " 1918

8 **By classes of persons**

Divided like main classification; e. g efforts by clergy 940.31282

9 **By country**

Divided like 940–999

.314 Results: terms of peace (See note under 940.311)

1 **Treaties and conferences** See also 341.1–.2

Treaty of Versailles, 23 June 1919, between Allies and Germany; ratified by U S 18 Oct. 1921

12 Subsequent treaties and conferences

Defensiv alliances between France and England, and between France and U S
Treaty of St Germain, 17 Oct. 1919, with Austria
" " Neuilly, 27 Nov. 1919, with Bulgaria
Paris conference 24 Jan. 1921
Brussels, 24 Sep. 1921
Cannes conference 6 Jan. 1922
Washington disarmamcnt conference 6 Feb. 1922
Genoa conference 10 Ap. 1922

2 **Treaty outcomes**

22 Reparations
24 Changes in boundaries
25 Establishment of new nations
26 " " mandates

3 **Leag of nations** See 341.1

940.3144 **Reconstruction**
May be divided like 940–999, but preferably clast with individual countries

8 **Effect on world conditions**
May be divided like main clasification, but results with relation to special topic ar preferably clast with that topic

9 **Effect on special countries**
May be divided like 940–999, but preferably clast with individual countries

.315 Relations of classes distinctly represented in main clasification
Subdivided like the clasification, uzing 9 for refugees, divided like 940–999 by country of origin. For classes not thus provided for see 940.316

2 **Clergy Church**
Subdivide .3152–28 like 280, but uze .315289 for sects in 289; e.g.
.315219 Greek catholic church
22 Roman " " Pope
2895 Christian scientists
Uze.31529 like 290; e.g.
.315296 Jews
297 Mohammedans Holy war

.316 Other special classes

1 **Noncombatants**

2 **Pacifists**

3 **Enemy simpathizers**

.318 Relations of special interests Aspects
Divided generally like the clasification, e.g. economic aspect 940.31833

.32 Diplomatic history
See also 940.31–.314 Political history

.322 Entente
Divided like 940–999

.324 Teuton allies, Central powers
Divided like 940–999

.325 Neutrals
Divided like 940–999

.33 Groups of countries: allies and neutrals
Collectivly; for individual countries see 940.34–.39

.332 Entente

.334 Teuton allies, Central powers

.335 Neutrals

.34–.39 Individual countries
Divided like 940–999
Under each country further subdivision may be made with the following numbers, if its part in this war is clast here insted of with the rest of its history:
01 Political history Causes
02 Diplomatic "
03 Local (states, counties, provinces, cities)
04 Military organization
Clas operations in 940.4
05 Aspects: economic and other
06 Celebrations
07 Prisons etc
08 Personal narrativs
09 Illustrativ

940.4 Military history

.401 Strategy

2 **Entente** Divided like 940–999

3 **Teuton allies, Central powers** " " "

.402 Recruitment Volunteers Drafts

Clas here general discussions only. When relating to special country clas under 940.34–.39

.403 American negroes American Indians

Clas here general discussions of use of such troops. For their history as military units see 940.41273

.405 Penal and malign mesures

Deportation, confiscation, censorship

6 **Frightfulness Atrocities**

As military expedient. For other relations see Cruelty in Relativ index

.41 Land operations

For general works on land operations by special countries or in special localities. Clas accounts of special campains and battles in 940.42–.43. Divisions of 940.41 (except 940.411) may, if needed, be further subdivided like 940–999. For operations in special localities the most important geografic divisions ar broadly designated under 940.414–.416

.411 Special branches of servis

Under 940.412, which in most American libraries wil take most of the material of this kind, is given a book number skeme for the various classes of military units. 940.412–.413 ar uzually divided geograficly before book number is added, but special servis historics not limited to special countries or groups of Entente or Central powers may (unless, because of their broad scope, 355–358 is preferd) be clast in 940.411 and arranged by book numbers given under 940.412, e.g. History of cavalry engagements in World war 940.411 H

.412 Military organizations of Entente

Divided geograficly like 940–999. Under each local division arrange by book number skeme given below. C-X ar generally subarranged by number of army, corps, division or regiment, etc. When there ar more than 9 units in a group, 0 must be prefixt to numbers for 1st 9; otherwize 9th would shelv after 89th. When there ar more than 99 units in a group 00 must be prefixt to numbers for 1st 9, and 0 to numbers 10–99, and in view of difficulty which would often be involvd in determining whether there wer more than 99 it is recommended that this method be uzed except for C Armies and D Corps. Special designations must be provided for unnumberd and peculiarly numberd units. Material on units with distinctiv names but without numbers may be arranged alfabeticly by name of unit. General histories of any branch of servis of Entente or Central powers (i.e. not limited to special country) may be clast in 940.412 for Entente and 940.413 for Central powers, followd directly by book number for special servis, e.g. History of cavalry engagements of Entente forces in World war 940.412 H

BOOK NUMBER SKEME FOR 940.411–.413

A General

Administrativ servises, hedquarters, general staf, etc. Clas here general official publications, with unofficial on A9

A1 Reports of War department, Adjutant-general etc

A2 Lists of soldiers Rosters Losses

General; for individual regiments etc see C–Z below

A9 Unofficial publications

Including unofficial histories covering several branches of servis

B Training camps

Officers training corps, etc. Clas under country maintaining training camp, further arranging under B by geografic number for place where located. Type of camp may be indicated by inserting after B a lower case letter as follows: a Officers, b National guard, c National army, d Special; when further distinguishing mark is needed ad after local number lower case initial for place where located; e.g.

940.41273	B	U S training camps
	B44	" " " in France
	B758	" " " " Georgia
	Ba758	U S officers training camps in Georgia
	Ba758o	" " " camp at Ft Oglethorpe, Ga

For sake of uniformity it is recommended that local number be carried only to state (even when more fully developt in tables) further designations being by lower case initial

Following is a clast list of principal U S training camps:

940.41273	Ba	Officers	
	Ba747	N Y:	Madison barracks, Ft Niagara, Plattsburg barracks
	755	Va:	Ft Meyer
	758	Ga:	" McPherson, Ft Oglethorpe
	764	Tex:	Leon Springs
	767	Ark:	Ft Logan H. Roots
	772	Ind:	" Benjamin Harrison
	773	Ill:	" Sheridan
	776	Minn:	" Snelling
	781	Kan:	" Riley
	794	Cal:	Presidio of San Francisco

940.41273	Bb	National guard		
	Bb747	N Y:	Camp	Mills, Mineola, L I
	756	N C:	"	Greene, Charlotte
	757	S C:	"	Sevier, Greenville; Camp Wadsworth, Spartanburg
	758	Ga:	"	Hancock, Augusta; Camp Wheeler, Macon
	761	Ala:	"	McClellan, Anniston; Camp Sheridan, Montgomery
	762	Miss:	"	Shelby, Hattiesburg
	763	La:	"	Beauregard, Alexandria
	764	Tex:	"	Bowie, Ft Worth; Camp Logan, Houston; Camp McArthur, Waco
	766	Okla:	"	Doniphan, Ft Sill
	789	N Mex:	"	Cody, Deming
	794	Cal:	"	Fremont, Palo Alto; Camp Kearny, Linda Vista
	Bc	National army		
	Bc744	Mass:	Camp	Devons, Ayer
	747	N Y:	"	Upton, Yaphank, L I
	749	N J:	"	Dix, Wrightstown
	752	Md:	"	Meade, Annapolis Junction
	755	Va:	"	Lee, Petersburg
	757	S C:	"	Jackson, Columbia
	758	Ga:	"	Gordon, Atlanta
	764	Tex:	"	Travis, Ft Sam Houston, San Antonio
	767	Ark:	"	Pike, Little Rock
	769	Ky:	"	Taylor, Louisville
	771	Ohio:	"	Sherman, Chillicothe
	773	Ill:	"	Grant, Rockford
	774	Mich:	"	Custer, Battle Creek
	777	Ia:	"	Dodge, Des Moines
	781	Kan:	"	Funston, Ft Riley
	797	Wash:	"	Lewis, American Lake, Tacoma
	Bd	Special		
	Bd755	Va:	Camp	Abraham Eustis, Lee Hall; Camp Humphreys, Accotink
	758	Ga:	"	Forrest and Camp Greenleaf, Ft Oglethorpe
	759	Fla:	"	Johnston, Jacksonville
	769	Ky:	"	Knox, Stithton

If it is desired that kind of servis for which these special camps traind be shown in book number this may be done by inserting after Bd a lower case letter corresponding to capital for that special servis, in series G-Z below; e.g. 940.41273 Bdr, U S training camps for engineers

C Armies

Some armies had not only numbers but also distinctiv names; e.g. U S 3d army same as Army of occupation

D Corps

E Divisions

For many divisions having distinctiv names numbers ar as follows:

U S: 3 Marne, 4 Ivy, 5 Red, Diamond or Meuse, 6 Star or Sight Seeing, 7 Hour Glass, 8 Pathfinder, 11 Lafayette, 12 Plymouth, 14 Wolverine, 17 Thunderbolt, 18 Cactus, 19 Twilight, 26 Yankee or New England, 27 Empire or New York, 28 Keystone, Iron or Pennsylvania, 29 Blue and Gray, 30 Old Hickory, 31 Dixie, 32 Iron Jaw, Red Arrow or Les Terribles, 33 Prairie or Illinois, 34 Sandstorm, 35 Santa Fe, 36 Panther or Lone Star, 37 Buckeye, 38 Cyclone, 39 Bull's-eye, 40 Sunshine, 41 Sunset, 42 Rainbow, 76 Liberty Bell, 77 Metropolitan or New York's Own, 78 Lightning, 79 Liberty or Lorraine Cross, 80 Blue Ridge, 81 Wildcat (also name of 321st regiment of infantry; see G), 82 All American, 83 Ohio, 84 Lincoln or Rail Splitters, 85 Custer, 86 Black Hawk, 87 Acorn, 88 Cloverleaf or Hun Husker, 89 Middle West, Sunflower, Wood's Own or Wood's Orphans, 90 Alamo, 91 Wild West, 92 Buffalo or The Buffaloes (colord), 93 Negroes or Bloody Hand (colord)

Gt Brit: 9 Scottish, 10 Irish, 12 Eastern, 20 Light, 37 Golden Horseshoe, 42 East Lancashire, 46 North Midland, 50 Northumbrian, 51 Highland, 52 Lowland, 53 Welsh, 55 West Lancashire, 58 London, 62 West Riding, 63 Royal naval (see also N Marine corps), 74 Yeomanry (see also H Cavalry). Many British units wer constituted on territorial bases (see F Colonials, territorials etc)

F Colonials, territorials etc

To be uzed for clasing such forces under mother country. Divided geograficly like 940-999, and under each local division arranged by book number skeme here given, e.g. 940.41242 F71G11 for 11th regiment of Canadian infantry as part of British colonial forces. If preferd, colonials may be clast directly under their respectiv geografic numbers, disregarding relation to mother country, e.g. 940.41271 G11 for 11th regiment of Canadian infantry

Gt Brit: Anzacs (Australia-New Zealand army corps), West Riding territorials (constituting 49th and 62d divisions of British army; see E), etc

France: Moroccan division (Division marocaine) etc

G Infantry

Pioneer regiments, hedquarters troops, guards, zouaves etc. For some regiments etc with distinctiv names numbers ar as follows:

U S: 38 Rock of the Marne, 65 Puerto Rico regiment, 165 Shamrock battalion, 167 Alabama's Own, 313 Baltimore's Own, 321 Wildcats (also name of 81st division; see E); Lost battalion, K company of 307th regiment and 6 companies of 308th (clas with 308th)

Gt Brit: The Buffs, 10th battalion of yeomanry (constituted by combining Royal E. Kent regiment with Royal W. Kent (Queen's Own) regiment; see note on yeomanry under H); Prince of Wales' Own, 10th battalion of infantry (W. Yorkshire regiment); Alexandra, Princess of Wales', Own, 7th battalion of infantry (Yorkshire regiment); U P S (University and Public Schools brigade), 98th brigade of Royal fusiliers; Black Watch (Royal Highlanders), 42d regiment (Royal Highlanders of Canada, mostly from Montreal, wer an allied regiment); Gordon Highlanders formd part of 51st (Highland) division (see E). Guards regiments wer unnumberd, e.g. Royal guards, Grenadier guards, Irish guards, Scots guards, Welsh guards. Many units wer designated geograficly, e.g. London regiment, Northumberland fusiliers, Argyll and Sutherland Highlanders (Princess Louise's), Royal Scots (Royal regiment), Nottinghamshire and Derbyshire regiment (Sherwood Foresters), South Wales Borderers, etc

Canada: Princess Patricia's Canadian light infantry (' Princess Patricia's', ' Princess Pats', ' P P's', ' Pip-Pips', ' P P C L I ') not numberd; Red Watch, 48th Highlanders; Prince of Wales' Leinster regiment (Royal Canadians)

Newfoundland: Blue Puttees (The 1st 500) 1st (Newfoundland) regiment

France: Foren legion (Légion étrangère)

H Cavalry

Gt Brit: Hussars, dragoons etc. Yeomanry ar normally volunteer territorial cavalry, but during World war many units wer reconstituted as infantry (see G)

J Light artillery Field artillery

For some units having distinctiv names numbers ar as follows:

U S: Fighting battery C, same as Battery C of 102d regiment; Miracle battery, Battery F of 102d regiment; Orphan battery, Battery E of 128th regiment. When distinction beyond regiment number is needed a capital letter designating special battery may be uzed, e.g. Battery C of 102d regiment 940.41273 J102C; for a single history of a regiment as a whole the book number may end with regiment number, but if there ar 2 or more such histories these may, to bring them before histories of separate batteries, be groupt under lower case ' a ' followd by lower case initial of author, e.g. History of 102d regiment by Carter 940.41273 J102ac

Gt Brit: Honourable artillery company of London, or London gunners, 309th siege battery

K Hevy artillery Coast artillery

L Machine gun regiments or battalions

M Chasseurs

Belgium: Chasseurs à pied
France: " " " (Blue devils, Diables bleus), Chasseurs alpins, Chasseurs cyclistes
Italy: Bersaglieri

N Marine corps

For land operations only. For naval operations see 940.45
Gt Brit: Royal marine forces; Royal naval division (see also E, Gt Brit, 63d division)

P Gas regiments

Chemic warfare servis

Q Tank corps

R Engineers

Serchlight engineers, camouflage section, railroad section, etc
U S: Trenton's Own, 104th regiment

S Signal corps

Field signal battalion, telegraf battalion, etc. For air servis see 940.441

T Military police

France: Gendarmerie
Italy: Carbinieri

U Reservs

V Transport servis

Vm Motor transport corps Repair units

Vo Ocean transport Embarkation servis

Clas embarkation camps as under B, e.g.

940.41273	Vo747	N Y:	Camp	Mills, Mineola, L I
	749	N J:	"	Merritt, Dumont
	755	Va:	"	Hill and Camp Stuart, Newport News

Vr Railroad transport

W Supply servis

Quartermaster's department, Ordance department, motor supply trains, etc

X Ammunition trains

Z Other

For medical corps, sanitary corps, ambulance corps see 940.475; air servis, 940.449; navy, 940.459. Above book number skeme may, so far as applicable, be uzed for arranging material on these servises, e.g.

940.44973	B	U S aviation training camps	
	B764	Tex:	Camp Kelley, San Antonio
	773	Ill:	Chanute field, Rantoul
	794	Cal:	Rockwell field, San Diego

940.413 Military organizations of Teuton forces or Central powers

Divided geograficly and by book number like 940.412. Bavarian troops ar numberd separately from other German troops, i.e. German 940.41343, Bavarian 940.413433

Germany: Uhlans, H; Jägers, Alpenkorps, M; Reserv-korps, Ersatz regiment, Landsturm, Landwehr, U

940.414 Europe
- 3 **German fronts**
- 4 **French front** Including general West front
- 5 **Italian** "
- 7 **Russian** " Including general East front

.415 Asia

.416 Africa

.42.–43 Special campains and battles

.421 Campain of 1914

.4211 **Belgium Aug. 2–11**
- Aug. 2 Germans invade Luxemburg
- 2–7 " besiege and take Liége
- 4–5 Belgians defend Visé

.4212 **Belgium Aug. 12–Sep. 27**
- Aug. 12 Battle of Haelen
- 15 Engagement at Dinant
- 17 Germans enter Tirlemont
- 19 " " Louvain
- 20 " occupy Brussels
- 21 " " Tamines; attack Namur
- 22–29 Battle of Charleroi
  - Aug. 22 Germans take Charleroi
- 23 Battle of Mons Belgians evacuate Namur
- Sep. 3 Germans occupy Hirson
- 27 " " Malines

.4213 **Belgium Sep. 28–Dec.**
- Sep. 28–Oct. 9 Germans besiege and take Antwerp
- Oct. 10–18 British in Lys valley
- 11 Germans occupy Ghent
- 11–Nov. 20 Battles of Flanders
  - Oct. 11–Nov. 17 1st battle of Ypres, or Ypres-Armentières Operations round Menin, Gheluvelt and Le Gheir
  - Oct. 14 Allies occupy Ypres and Bruges
  - 15 Allies occupy Ostend
  - Nov. 1 Germans take Wytschaete and Messines
  - 11 Germans take Dixmude

Campain of 1914 *continued*

940.4213 **Belgium Sep. 28–Dec.** *continued*
Oct. 16–31 Battle of Yser river (Nieuport; Ramscappelle)
Dec. 28 French occupy St Georges, near Nieuport

.4214 **Northern France Aug. 10–29**
Aug. 10–29 Battle of the Ardennes
Aug. 10 French and German troops clash round Longwy, Spincourt, etc.
25–26 Battles of Landrecies, Maroilles and Le Cateau
26 Germans take Longwy
26–28 Battle of the Meuse
28 Battles of Signy-l'Abbaye
29 Battle of Guise

.4215 **Northern France Aug. 30–Sep. 9**
Aug. 30 Germans take Amiens, Montmédy, Laon and La Fère
Sep. 1 Germans in Compiègne
1–9 Fighting on the Ourcq
2–5 Germans advance to gates of Paris
3 " occupy fortified position of Condé
4 " " Reims

.4216 **Northern France Sep. 6–17**
Sep. 6–12 Battle of the Marne
Sep. 7 Germans begin retreat from the Marne; take Maubeuge
9 Foch's decisiv thrust at Les Marais de St Gond Battle of La Fère Champenoise
12 German retreat halted on the Aisne
12–17 Battle of the Aisne

.4217 **Northern France Sep. 13–Dec.**
Sep 13–27 Battle of Soissons
Sep. 18 Germans bombard Reims
30–Oct. 18
Battles in Artois
Sep 30–Oct. 8 1st battle of Arras
Oct. 3–12 Operations in Lys valley
3–13 Germans take Tournai, Douai and Lille
16 Allies occupy Armentières
Dec. 7 French take Vermelles

.4218 **Eastern France**
Aug. 22 Battle of Ste Geneviève
24 " " the Trouée de Charmes
29–Sep. 9 " " Nancy, or Grand Couronné
Sep. 21 Germans occupy Les Eparges
23 " take Varennes-en-Argonne
25 " " St Mihiel; storm 1st outer Verdun fort, Camp des Romains
Dec. Le Bois-le-Prêtre Fighting round Belfort, Verdun and St Mihiel

Campain of 1914 *continued*

940.4219 **Alsace-Lorraine**

Aug. 7 Entry of French troops French take Altkirch and Mülhausen
8 French and German troops clash in the Vosges
9 French evacuate Mülhausen
18 " take Saarburg and Chateau-Salins
19 2d French entry into Mülhausen
20 Battle of Metz, or Metz-Saarburg
22 Engagements at Réméréville
25–Sep. 12 Germans conquer Lorraine
Aug. 25 French driven from Lorraine; evacuate Mülhausen
27 Alsace cleard of French troops
29 Germans take Manonviller
Sep. 11 French evacuate St Dié
Dec. 29 French begin new offensiv against Alsace

.4221 **East Prussia Aug.**

Aug. 1 Russians advance to Johannisburg
19–20 Battle of Gumbinnen
24 Russians occupy Insterburg and Allenstein
26–31 Battle of Tannenberg (or Osterode)
Aug. 26–28 Russians defeated near Hohenstein
27 Battle of Usdau

.4222 **East Prussia Sep.-Dec.**

Sep. 7–10 Battle of Masurian lakes
11 Russians defeated at Lyck
13 " " in battle of Allenstein
Nov. 12 " occupy Johannisburg
14 Hevy fighting between Soldau and Statlupoenen

.4223 **Poland July 31-Nov. 5**

July 31 Austrians occupy Lublin
Aug. 1 Russians advance to Biala
4–8 Destruction of Kalisz
23 Austrian victory over Russians at Krasnik
Sep. 9–Nov. 5 Battles of the Vistula-San
Sep. 10–Nov. 5 Battles of Warsaw and Ivangorod
Oct. 13–Nov. 2 Battle of Chyrow
27 Russians reoccupy Lodz and Radom
31–Nov. 2 Battle of the Opatowka
Sep. 26–Oct. 2 Battle of Augustowo

Campain of 1914 *continued*

940.4224 **Poland** **Nov. 6–Dec.**

Nov. 12 Russians defeated at Wloclawek
17–Dec. 15 Battle of Lodz-Cracow
Nov. 17–Dec. 1 1st battle of Lodz
Nov. 24 Austrians take Pilica
Dec. 1–15 2d battle of Lodz
For battle of Limanova-Lapanov see 940.4225, Dec. 3–12
Dec. 4–12 Germans take Czentochowa, Lodz and Przasnysz
18 Germans take Lowicz
20 Severe fighting between Germans and Russians on line of Bzura river Germans take Skierniewice
27 Germans occupy Mlawa

.4225 **Galicia**

Aug. 25 Russians invade Galicia
26–27 Battle of Zloczów
27–Sep. 3 Russians take Tarnopol and Halicz
29–30 Battle of Przemyslany
Sep. 1 " " Lemberg
3 Russians occupy Lemberg
12 Battle of Grodek-Rawa-Ruska
18–Oct. 9 1st siege of Przemysl
22 Russians take Jaroslav
27 " " Czernowitz
Nov. 6–Mar. 2 2d siege of Przemysl
For battle of Cracow see 940, 4224, Nov. 17-Dec. 15 Battle of Lodz-Cracow
Dec. 3–12 Battle of Limanova-Lapanov
21–25 " " Jaslo

.4226 **Russia in Europe (excluding Poland)**

Sep. 7–10 Russians defeated at Vilna
Nov. 8 Turks defeat Russians in the Caucasus
Dec. 1 " advance on Kars and Ardahan

.4227 **Serbia**

July 29 Austrians bombard Belgrade
Aug. 15 " enter Serbia
16–19 Battle of the Yadar (Jadar)
17 Serbs victorius in battle of Shabatz
Sep. 1–13 " invade Syrmia, Hungary
Sep. 10 Serbs take Semlin
Oct. 31–Dec. 15 Kolubara campain
Nov. 15 Austrians take Valjevo
Dec. 2 " occupy Belgrade Battle of the Ridges
15 Austrians evacuate Belgrade

.4228 **Albania**

Dec. 25 Italian marines occupy Avlona

.4231 **Turkey in Asia**

Nov. 22 British from India occupy Basra

.4233 **East Asia**

Sep. 28 Japanese-British forces attack works of Tsingtau
Nov. 7 Japanese take Tsingtau

Campain of 1914 *continued*

940.4234 **Egypt**

Oct. 31 Bedouin tribes invade Egypt
Nov. 12 Turks take El Arish
20 " and British clash 30 miles from Port Said

.4235 **North Central Africa**

Aug. 7 British occupy Lorne, in Togoland
26 " and French conquer Togoland

.4236 **British East Africa German East Africa**

Aug. 15 Germans take Taveta
Sep. 12 " " Karungu
Nov. 2 British invade German East Africa
4 " defeated at Tanga

.4237 **South Central Africa**

Oct. 1 Allies invade Kamerun
Nov. 20 Germans " Uganda

.4238 **South Africa**

Aug. 20 Beginning of German failure in Nyasaland
Oct. 15 South Africa rebels defeated at Ratedrai
27 South African sedition spreds; Gen. De Wet and Gen. Beyers in revolt
Nov. 4 British reverse in South Africa
Dec. 1 Gen. De Wet captured

.4239 **German Pacific ilands**

Sep. 11 Australian expedition siezes German hedquarters in German New Guinea
14 British occupy Herbertschoeche in Bismarck arkipelago
30 New Zealanders occupy German Samoa

.424 Campain of 1915

.4241 **Belgium**

Ap. 17 British take Hill 60
22–27 2d battle of Ypres
Ap. 22 German success with gas
June 3 Battle at Hooge
Aug. 9 British success at Novge, near Ypres

.4242 **Northern France Jan.-Feb.**

Jan. 8 Battle of Soissons begins
14 Germans capture hights of Vregny

.4243 **Northern France Mar.-Dec.**

Mar.-Oct. Battles in Artois
Mar. 10–13 Battle of Neuve Chapelle
Mar. 10 British take Neuve Chapelle
May 9–20 Battles of Aubers ridge and Festubert
May 9 Attack on Rue du bois
16 Battle of Festubert begins
12 Battle of Cambrai-St Quentin French take Carency
June 6 Allies take most of the 'Labyrinth', north of Aisne
9 Allies take Neuville-St Vaast, near Arras
Sep. 25 French take Souchez
25–28 Battle of Loos

Campain of 1915 *continued*

940.4244 **Eastern France Jan.-Sep. 8**

Jan. 24–Ap. 30 1st German assault on Verdun
1st phase: Douaumont and Vaux, and forts west of the Meuse
Ap. 7 Germans surrender Les Eparges
Feb. 16–Mar. 11 French offensiv in Champagne
July 14 Germans advance in the Argonne
Sep. 8 " take trenches in "

.4245 **Eastern France Sep. 9–Dec.**

Sep. 24–Dec. 15 Operations in Champagne
Sep. 29–Oct. 1 French progress in Champagne
Oct. 6 " take Tahure and Butte de Tahure (Tahure hill)
24 French take the Courtine, south of Tahure
30 Germans retake Butte de Tahure

.4246 **Alsace-Lorraine**

Jan. 3 French take Steinbach
9 " lose "
17–18 " advance close to Metz
June 22–Dec. 24 Activity in the Vosges

.4248 **Austro-Italian front**

May 26 Italians invade Tyrol and Carinthia
27 " take Ala; cros Isonzo near Gorizia (Goeritz)
28 Italians take Grado
June 4 " " Monte Nero, Upper Isonzo
9 Italians attack Gorizia, and take Monfalcone and Plava
11 Italians take Gradisca on the Isonzo
12 " reach Rovereto and Mori, in the Trentino
July 7 Italians attack Gorizia
17 " take Venerdolol and Brizce passes
Oct. 14 Italians take Pregasina, on Trentino frontier
18–Nov. 15 Battle of Gorizia

.4251 **East Prussia**

Feb. 7–21 Masurian winter battle
Feb. 15–18 Battle of Augustowo
20 Fighting on Niemen (or Memel) river
Mar. 17 Russians occupy Memel
21 Germans retake "

Campain of 1915 *continued*

940.4252 **Poland**

Jan. 3 Germans take Bolimov
18 Russians reoccupy Plotzk (Plock)
Feb.-July Struggle for Przasnysz
Feb. 1 Germans retake Borjimow (Borzymow)
2–3 Russians advance on Warsaw
June 29 Germans take Tomaszow
July 1–Oct. 21 Southern drive
July 1–14 2d battle of Krasnik
July 2 Austrians take Krasnik
15–24 Battle of Sokal
16–19 " " Krasnystaw
30 Germans take Kholm (Cholm) and Lublin
Aug. 5–8 Battle at Lubartow
12 Germans take Siedlce
Oct. 21 Austro-Germans defeated at Novo Alexinetz
July 15–Aug. 22 Northern drive Battles of the Narew
July 15–17 Battle of Bogate
22–25 Battles of Rozhan and Kamionka
23–25 Battle of Pultusk
26–Aug. 3 Battle of Orz (or Goworowo)
Aug. 5–22 Germans take Warsaw, Ivangorod (Iwangród), Novo Georgiewsk and Osowiec

.4253 **Galicia**

Jan.–May 2 Battles of the Carpathians
Jan. 4 Russians occupy Uzsok pas
27 Austrians take " "
Feb. 1 Battle begins at Bolimov
3 Austrians evacuate Tarnow
24 Russians driven from Bukowina
Mar. 3 Austrians take Stanislau
22 Przemysl surrenderd to Russians
23 Russians take Lupkow pas
31 " penetrate Dukla pas
Ap. 4 Russians take Varecze pas and Smolnik, near Lupkow pas
18 Russians evacuate Tarnow
26 " defeated in Uzsok pas
May 2 Austro-Germans take Dukla pas

Campain of 1915 *continued*

940.4253 **Galicia** *continued*

May 2–June 16 Battles of the Dunajec-San
May 6 Austro-Germans retake Tarnow
6–11 Battles at Sanok and Rzeszów
16 Russians retire to the San
Germans take Jaroslav
24–31 Battle on the Stryj
24–June 6 " of Przemysl
June 3 Teuton forces retake Przemysl
June 12–15 Battles of Mosciska and Lubaczów
June 10 Germans retreat across the Dniester
16–19 Battle of Grodek-Magierow
20 Austro-Germans take Rawa-Ruska
20–22 Battle of Lemberg (or Lvov)
June 20 Austro-Germans take Zólkiew
22 Austrians enter Lemberg
26–30 Battle on the Gnila Lipa
28 Teuton forces retake Halicz
Aug. 28 Germans take Lipsk
Sep. 1 Teuton forces take Brody
7–8 Russians victorius on Sereth river
Dec. 1 Russians retake Czernowitz

.4254 **Russia in Europe (excluding Poland)**

Jan. 1–Mar. 25 Turks meet reverses in the Caucasus
Jan. 3 Russians defeat Turks at Ardahan
4 " victorius at Sarikamysh
15 " take Kirlibaba pas
Mar. 25 Turks defeated at Aradabil
May 8 Germans occupy Libau
July 20–Aug. 17 " take Windau, Mitau and Kovno
Aug. 23–26 Teuton forces take Kovel, Brest-Litovsk, Ossowitz and Olita fortress
31 Austrians take Lutz
Sep. Austro-German offensiv against Rovno
2–18 Germans take Grodno, Dubno, Pinsk and Vilna
24 Russians retake Lutz
28 Germans " "
Oct. 10–24 Operations about the Dvina
Oct. 10 Germans expeld from Garbounovka, near Dvinsk
16 Russians repulst at Gross Eckau
18–24 Germans take Borkowitz and Dahlen
Nov. 14 Russians driven across Styr river

Campain of 1915 *continued*

940.4255 **Rumania**

Oct. 23 Bulgars cros Timok river and occupy Prahova

.4256 **Serbia**

Oct. 6–Dec. 5 Serbia invaded by Austro-Germans and Bulgars

Oct. 8 Serbs evacuate Belgrade

9–14 Austro-Germans take Belgrade, Semendria (Semendrevo) and Pozarevatz

15 Fighting between French and Bulgars at Valandovi

17 " take Egri-Palanka

18 Austro-Germans take Obrenovatz Allies take Strumiza (Strumnitza)

19–22 Bulgars take Vrania (Vranja), Veles and Uskub

23–24 Battle of Kumanovo (Komanova)

25 Austrians take Kladovo

26 Teuton forces take Valjevo

29 Bulgars take Pirot

31 Germans take Kragujevatz

Nov. 3 " " Uzice (Uzhitze, Uzitsha)

5 Bulgars take Nish Germans take Kralievo

7 Germans advance at Kruchevatz (Krusevac)

17 Serbs retire from Prilep and Babuna hights

20 Fall of Novibazar (Novipazar, or Yenibazar)

23 Teuto-Bulgars take Mitrovitsa and Pristina

30 Bulgars take Prisrend

Dec. 5 Austro-Germans and Bulgars occupy Monastir

Oct. 5–Dec. 10 Salonika (Greece) campain operations

Tho Salonika is in Greece, these operations ar included here, as being designd for relief of Serbia

Oct. 5 Allies land in Salonika

6 French advance into Serbia

Dec. 5 Bulgars defeat French on the Vardar

10 Allies, retreating from Serbia, fall back on base at Salonika

.4257 **Montenegro**

Dec. 1 Teuton forces invade Montenegro

6 Germans take Ipek

.4258 **Albania**

Dec. 15 Italians land in Albania

21 " occupy Durazzo

Campain of 1915 *continued*

940.4259 **Turkey in Europe**

Feb. 1915–Jan. 1916 Gallipoli expedition

Feb.-Mar. Dardanelles operations

See also 940.455 Naval history of World war

Ap. 25 Allies land in Gallipoli

May 20 " take Krithia hights

Aug. Operations on Anafarta hights

Aug. 7 New Allied army lands in Gallipoli

Dec. 8 British begin evacuating Gallipoli

.4261 **Turkey in Asia**

Ap. 14 Turks defeated near Basra

June 3 British take Amara

July 25 " " Nasiryeh

Sep. 28 " " Kut-el-Amara

Nov. 22 " " Ctesiphon

30 " Mesopotamian expedition defeated south of Bagdad

Dec. 3 Turks besiege British at Kut-el-Amara

11 Turco-British battle " "

.4264 **Persia**

Jan. 30 Russians take Tabriz from Turks

Dec. 17 " occupy Hamadan

26 " " Kashan

.4266 **Egypt**

Jan. 24 Turks defeated at El Kantara

.4268 **Colonial operations**

Jan. 14 Union forces occupy Swakopmund, German Southwest Africa

Feb. 24 British South African forces occupy Garub, German Southwest Africa

Ap. 20 Union forces take Keetmanshoop, German Southwest Africa

May 12 Gen. Botha occupies Windhuk, German Southwest Africa

June 28 British occupy Ngaundere, Kamerun

July 15 Conquest of German Southwest Africa completed

.427 Campain of 1916

.4271 **Belgium**

Feb. 8–July 18 Trench fighting in Ypres salient

Ap. British take St Eloi

.4272 **Northern France**

July-Nov. Battle of the Somme

July 2–28 British take Fricourt, Pozières and Delville wood

Sep. 3–18 French take Guillemont, Vermondovillers and Deniécourt

26 Allies take Combles and Thiépval

Nov. 7–12 French take Chaulnes and Saillisel

12–18 British drive on the Ancre

Nov. 14–18 British take Beaucourt and Grandcourt

Campain of 1916 *continued*

940.4273 **Eastern France**

Feb. 21-Dec. Battles at Verdun

Feb. 21 Great German attack opens
25 Germans take Douaumont fort
28 French check German advance
Mar. Germans take Forges, Fresnes, Haucourt hill and Malancourt
Ap. 2–3 Germans take and lose Caillettes wood
5 " " Haucourt
May 6 " launch new offensiv
22–24 French retake and lose Douaumont fort
24–June 25 Germans retake Cumières, Vaux fort, Thiaumont and Fleury
June 30 French retake Thiaumont
July 3 Germans " "
Aug. 5–9 Thiaumont contested
18 French retake Fleury
Oct. 24 " " Douaumont fort
Nov. 2 " " Vaux fort

.4274 **Austro-Italian front**

Feb.–June Tyrol

Feb. 21 Italians take Collo, near Trent
Ap. 17 Italians take Col di Lana
May 16–June 20 Successful Austrian offensiv from the Trentino

Mar.–Nov. Isonzo and Carso

Mar. 14 Italians attack on entire Isonzo front
Aug. 1 Italian offensiv against Gorizia (Goeritz)
6 Italians take Monte Sabotino and Monte San Michele
7 Italians gain the Isonzo
9 " take Gorizia
10 " drive Austrians across the Vallone
Sep.–Nov. Italians assume offensiv on the Carso

.4275 **Galicia**

Jan. 1 Russians invade Bukowina
Feb. 9 " take Uscieczko
June 17–23 " " Czernowitz and Bukowina
28–July Battle of Kolomea
July 1 Russians take Kolomea
June 30–July 2 Russians take and lose Tlumacz (Tlumatch)
July 16–Aug. 7 Russians take Sviniusky, Brody and Tlumacz
Aug. 10 Austrians evacuate Stanislau
14–15 Russians take Tustobaby and Jablonitza (Jablonica) pas

Campain of 1916 *continued*

940.4276 **Transylvania**

Sep. 7 Rumanians take Orsova
28–30 Germans defeat Rumanians at Hermannstadt
29 Teuton forees defeat Rumanians at Siba
Oct. 5 Rumanians defeated near Fogaras
Battle in Geisterwald mts
7–9 " of Kronstadt (or Brasov, or Brasso)
Nov. 25 Rumanians lose Orsova

.4277 **Russia in Europe**

Mar. 18–27 Battle of Lake Naroez (Naroeh)
June–Aug. Battles around Luek (Lutsk)
June 6–9 Russians take Luek and Dubno
June 13–14 1st battle of Baranoviehi (Baranowicze)
July 2–14 2d " " "
20 Russians take Beresteezko
25 3d battle of Baranovichi

.4281 **Rumania**

Sep. 1 Germans, Bulgars and Turks invade Dobruja
6 Germans and Bulgars take fortresses of Turtukai and Tutrakan
9 Rumanians evaeuate Silistria
10 Germans and Bulgars take fortress of Silistria
Oet. 22–23 Germans take Constanza (Kustendji)
24–30 Battle of Targul-Jiu
25 Teuton forces oeeupy Cernavoda
Nov. 20 Austro-Germans take Craiova (Crajova)
23 " " eonquer Little Wallaehia
24 Rumanians lose Turnu-Severin
Dee. 3 Battle of Arges
6 Germans take Bueharest
8 Rumanians trapt in Prahova valley

.4282 **Serbia**

Aug. 10 Allies bombard and take Doiran
Nov. 19 " enter Monastir

.4283 **Bulgaria**

Oet. 2 Rumanians routed

.4284 **Montenegro**

Jan. 10 Austrians take stronghold on Mt Lovehen (Lovtehen)
13 Austrians take Cettinje

.4285 **Greece**

Jan. 11 Freneh land at Corfu
Aug. 17 Teuton forecs take Terina from Serbs
Bulgars take Florina
25 " " Startila and Kavala (Kavalla, Kavallo) forts
Sep. 14 Bulgars take Kavala Serbs take Malkenidse from Bulgars
18 Allies retake Florina
Dec. 1 " take possession of Piraeus

Campain of 1916 *continued*

940.4288 **Albania**

Jan. 23 Austro-Hungarians occupy Scutari
25 Austrians take San Giovanni di Medua
Feb. 27 " " Durazzo

.4289 **Turkey in Europe**

Jan. 9 Allies evacuate Gallipoli

.4291 **Turkey in Asia Asia Minor**

Feb. 13 Turks defeat British near Konia (Koniah, Konieh)
Ap. 18 Russians take Trebizond

.4292 **Turkey in Asia Armenia**

Jan. 11–Aug. 24 Russian campain in Armenia
Feb. 16–Mar. 16 Russians take Erzerum, Mush, Bitlis and Mamakhatun
Mar. 31 Russians evacuate Mamakhatun
July 12 Russians retake Mamakhatun
25 Russians take Erzingan (Erzhingian, Erzinjan)
Aug. 8 Russians evacuate Bitlis and Mush
24 Russians retake Mush

.4293 **Turkey in Asia Mesopotamia**

Jan. 8–Dec. 13 British campain in Mesopotamia
Jan. 8 British defeat Turks at El Amara
Ap. 5 " take Felahie
9 " repulst near Felahie
29 " surrender Kut-el-Amara
Nov. 31 " take Basra

.4294 **Persia**

Feb. 27 Russians take Kermanshah
Mar. 19 " enter Ispahan
Aug. 11 Turks drive Russians from Hamadan

.4296 **Egypt**

Ap. 23 Turks take Quatia
Aug. 3 " defeated at Romani, on Suez canal
Dec. 21 British occupy El Arish, Sinai peninsula
23 " attack Turks at Magdhaba

.4298 **Colonial operations**

Feb. 18 Allies conquer Kamerun
Sep. 4 British take Dar-es-Salaam, German East Africa
11 Belgians take Tabora, German East Africa

.431 Campain of 1917

.4311 **Belgium Jan.-June 7**

June 7 Battle of Messines Explosion of mine British take Messines-Wytschaete salient

.4312 **Belgium June 8-July 30**

June-Dec. 2d battle of Flanders

Campain of 1917 *continued*

940.4313 **Belgium July 31-Dec.**
July 31–Nov. 6 3d battle of Ypres
July 31 Allies advance from Ypres
Aug. 10 " take Bixschoote
16 British " Langemarck
Sep. 25 " resume drive on Ypres-Menin road
26 British take Zonnebeke
Oct. 4–10 Allies advance on Passchendaele ridge
Nov. 6 Canadians take Passchendaele

.4314 **Northern France Jan.-Mar.**
Feb. 7 British take Grandcourt
24 Germans retreat from Ancre river
28 Allies take Puisieux-au-Mont and Tilloy British take Gommecourt
Mar. 17 British attack along Siegfried or Hindenburg line Allies retake Bapaume French take Roye British take Chaulnes
18 French take Noyon British take Péronne and Nesle

.4315 **Northern France April-May 8**
Ap. 9–May 8 2d battle of Arras
Ap. 9 Canadians take Vimy ridge
11 British " Monchy
28 Canadians " Arleux-en-Gohelle
May 3 Allies take Bullecourt British take Fresnoy
8 Germans retake Fresnoy

.4316 **Northern France Ap. 16-Nov. 2**
Ap. 16–May 6 2d battle of the Aisne
Ap. 18 French take Vailly
May 4 " " Craonne
5 " " Chemin des Dames
6 " occupy Craonne ridge
June 26–Aug. 21 Operations round Lens
Aug. 15 Canadians take Hill 70
Oct. 17–Nov. 2 Allies renew Aisne offensiv
Oct. 23–26 Battle of Malmaison
Oct. 23 French take Malmaison fort Germans defeated on the Ailette
Nov. 2 Germans evacuate Chemin des Dames; retreat across the Ailette

.4317 **Northern France Nov. 3-Dec.**
Nov. 20–Dec. 13 Battle of Cambrai Introduction of tank warfare
Nov. 20 British smash Hindenburg line from Arras to St Quentin
26 British take Bourlon wood
30 Germans counterattack in Cambrai salient
Dec, 2 Germans retake Masnières

Campain of 1917 *continued*

940.4318 **Eastern France**

Aug. 17–Sep. 8 French win important victories at Verdun

.4321 **Austro-Italian front Trentino**

June 10 Italians take Agnelio pas

.4322 **Austro-Italian front Isonzo-Caporetto activities Jan.-June**

May 12–Oct. Italians advance against Austro-Hungarians

May 23 Italian success on Carso plateau

June 5 " defeat " " "

.4323 **Austro-Italian front Isonzo-Caporetto activities July-Sep.**

Aug. 19 Italian activity renewd on Julian and Carso fronts Italians invade Bainsizza plateau

24 Italians take Monte Santo

29 " gain complete control of Bainsizza plateau

31 Italians gain foothold on Monte San Gabriele

Sep. 6 Austrians drive Italians from " " "

14 Italians take summit of " " "

29 " strengthen control of Bainsizza plateau

.4324 **Austro-Italian front Isonzo-Caporetto activities Oct.-Dec.**

Oct. 23–Nov. Battle of Caporetto Austro-Germans counterattack

Oct. 28–30 Austro-Germans take Gorizia (Goeritz), Cividale and Udine

Nov. 4 Austro-Germans cros Tagliamento river

9 Italians make a stand on the Piave

10 Austro-Hungarians cros the Piave

12 Italians evacuate Fonzaso

13 Austro-Germans repulst on the Piave

Dec. 19 Italians retake Monte Asolone

23 Germans take Col del Rosso

30 French retake Monte Tomba

.4325 **Galicia**

July 1–16 Russians assume offensiv under Kerensky

July 1– 6 Battle of Brzezany

July 1 Russians take Koniuchy

10 Russians take Halicz

12–16 " " and lose Kalusz

Campain of 1917 *continued*

940.4325 Galicia *continued*

July 19–Aug. 3 Teuton forces advance against Russians
July 19–26 Battle of Zborów
July 22 Germans take Tarnopol
23–Aug. 3 Russians retreat
July 23 Germans retake Halicz and Stanislau
Aug. 3 Austro-Germans occupy Czernowitz

.4326 **Russia in Europe**

Ap. 3–Dec. 12 German offensivs
Ap. 3 Russians defeated on Stokhod river
Aug. 21–Dec. Great German offensiv on Riga front
Sep. 3 Germans take Riga
23 " " Jacobstadt
Oct. 18 Russians evacuate Reval (Revel)

.4327 **Rumania**

Jan. 4 Russians driven out of Dobruja
5–7 Germans take Braila and Fokshani (Focshani, Foscani) fortress
8 Battle of Sereth river
Aug. 6 " " Marasesti (Marasheshti)

.4328 **Serbia**

Ap.–May Offensiv in Doiran sector British attack Bulgarian positions

.4331 **Turkey in Asia Palestine**

Oct. 31–Dec. 30 British advance in Palestine
Oct. 31 British take Beersheba
Nov. 6 " " Gaza
8 Turks evacuate Wadi Hesi
9 British take Ascalon
16 " " Jaffa (Joppa)
Dec. 6 " " Hebron
9 " " Jerusalem
30 " " Bireh

.4332 **Turkey in Asia Armenia**

Mar. 18 Russians take Van
May 2 " evacuate Mush

.4333 **Turkey in Asia Mesopotamia**

Feb.-Oct. British advance in Mesopotamia
Feb. 16 British drive Turks from Dahra Bend
24 " retake Kut-el-Amara
Mar. 4 " reach Bakuba
11 " take Bagdad
May 1 " defeat Turks at Jebel Hamrin
Sep. 29 " take Ramadie

.4334 **Persia**

Mar. 3 Russians take Hamadan
14 " " Kermanshah
22 " " Kerind from Turks

Campain of 1917 *continued*

940.4335 **East Asia**

Dec. 26 Chinese defeat Russians at Harbin, Manchuria

.4338 **Colonial operations**

Dec. 1 British complete conquest of German East Africa

.434 Campain of 1918 Belgium and France Final German offensivs Jan.–July

.4341 **1st German offensiv: 1st phase of battle of Picardy, or 2d battle of the Somme Mar. 21-Ap. 6**

Mar. 21 Germans take Maissemy and Ronssoy; bombard Paris with long range gun
22 Germans take Epéhy, Le Verguier and Tergnier
23 " break thru at St Quentin and Monchy
24 " take Chauny, Ham and Péronne
25 " " Bapaume, Barleux, Nesle and Noyon; reach Courcellette
26 Germans take Roye
27 " " and lose Albert, and take Proyart and Montdidier British retake Chipilly and Morlancourt
31 Germans reach the Marne

.4342 **2d German offensiv: 2d phase of battle of Picardy; or battle of the Lys Ap. 7-May 26**

Ap. 9 Germans take Laventie and Richebourg l'Avoué
10 Germans take Armentières, Estaires and Ploegsteert wood
11 Germans take Merville, Meseines and Nieppe British withdraw from Hill 63
12 Germans take Locon
12–16 British withdraw from Passchendaele ridge, in Ypres salient
14 Germans take Neuve-Eglise
15 " " Bailleul and Villers-Bretonneux
16 Germans occupy Spanbroekmolen and Wytschaete
24 British retake Villers-Bretonneux
26 Germans take Mont Kemmel
May 12 French retake Hiii 44

.4343 **3d (or Aisne and Marne) German offensiv May 27-June 8**

May 27 Germans cros Vesle river at Fismes
28 Americans take Cantigny
29 Germans " Soissons Allies abandon Fère-en-Tardenois and Ville-en-Tardenois
June 3 French retake Choisy
4 Germans driven back across the Marne
6 Allies take Bouresches
7 " " Neuilly-la-Poterie

940.434 Campain of 1918 Belgium and France Final German offensivs *continued*

.4344 **4th German offensiv: battle of Noyon or battle for Compiègne June 9-July 14**

June 9 Germans reach Mareuil

10 Americans take Belleau wood Germans take Belloy, Méry and St Maur

11 French abandon Carlepont wood and Ourscamp forest

15 Germans driven out of Coeuvres-et-Valsery

July 1 Americans take Beau Repaire farm, Berzy-le-Sec, Vierzy and Vaux

4 Allies take Hamel and Vaivre wood

8–11 British victories in Picardy

.4345 **5th German offensiv: 2d battle of the Marne July 15–18**

.435 Campain of 1918 Belgium and France Allied offensiv: 1st period July 18–Sep. 24

.4351 **Marne salient July 18–Aug. 4**

July 18 Americans take Torcy

19 Germans begin retreat across the Marne British take Meteren

21 Allies take Bouilly, Château-Thierry and Mont St Père hights Americans take Chartèves and Jaulgonne

23 French take Aubvillers, Mailly-Raineval and Sauvillers

24 Americans retain Epieds

.4352 **Marne salient *continued* July 25-Aug. 4**

July 25 Allies take Coincy French take Hill 141 and Oulchy-la-Ville

26 French take Oulchy-le-Château

27 Americans reach the Ourcq

28 Allies cros the Ourcq

29 " take Fère-en-Tardenois Americans take Hill 230

30 Americans take Sergy and Seringes

Aug. 1 Allies " Cramoiselle Franco-American forces take Cierges

2 Allies take Ville-en-Tardenois, Coulonges, Gueux and Thillois French occupy Soissons

4 Allies take Fismes

.4353 **Somme salient Aug. 5-Sep. 12**

Aug. 8–25 Albert-Montdidier salient Battle of Amiens

Aug. 10 Allies take Chipilly ridge, Lihons, Montdidier and Morlancourt

11 Allies take Proyart

13 French " Canny-sur-Metz

14 " " Ribécourt

15 Canadians " Daméry and Parvillers

19 French " Le Hamel

940.435 Campain of 1918 Belgium and France Allied offensiv: 1st period *continued*

.4353 **Somme salient Aug. 5-Sep. 12** *continued*

Aug. 21 Allies take Mont Kemmel British take Ablainzeville, Achiet-le-Grand, Achiet-le-Petit, Beaucourt, Bucquoy, Courcelles and Moyenneville French take Camelin, Cuts, Pontoise and Lassigny Battle of Bapaume

22 British take Albert (Ancre)

24 " " Bray and Thiépval

25 " " Contalmaison, Le Sars, Mametz and Martinpuich

.4354 **Somme salient** *continued* **Aug. 26-Sep. 6**

Aug. 27 French take Roye

28 " " Chaulnes

29 " " Noyon British take Combles Germans lose Bapaume

30 Allies take Cuffies Americans take Chavigny and Juvigny

Sep. 1 British take Bouchavesne, Péronne and Rancourt

6 French take Chauny and Ham

.4355 **Somme salient** *continued* **Aug. 26-Sep. 12 Battle of the Scarpe**

Aug. 26 Canadians take Wancourt and Monchy-le-Preux

27 Canadians take Cherisy, Vis-en-Artois and Bois-du-Sait Scots take Fontaine-les-Croisilles, Roeux and Gavrelle

28 Canadians take Croisilles, Boiry and Pelves

30 British " Bullecourt

Sep. 2 " attack Drocourt-Quéant line

3 " take Quéant

4 Germans evacuate Lens

12 British take Havrincourt and Trescault

.4356 **Lys salient Aug. 5-Sep. 11**

Aug. 5 British take La Bassée

5-7 " advance; take Locon and Outtersteene

19 British take Merville

30 " " Bailleul

31 " " Mont Kemmel

Sep. 2 Americans take Voormezeele British take Neuve-Eglise

.4357 **St Mihiel salient (Allies) Sep. 12-24**

Sep. 12-14 Battle of St Mihiel

Sep. 12 Americans destroy German St Mihiel salient

15 British take Maissemy

20 " " Moeuvres

940.436 Campain of 1918 Belgium and France Allied offensiv: 2d period Sep. 25–Nov. 11

.4361 **Argonne-Meuse offensiv: 1st phase Sep. 25-Oct. 10**

Sep. 26 Americans smash Hindenburg line in the Argonne; take Cheppy, Gercourt, Varennes and Montfaucon; advance at Guicy
French take Butte de Mesnil, Navarin farm and Servon

27–28 Americans take Exermont, Ivoiry, Epinonville, Charpentry, Very, Marcheville and Rieville

28 Allies take Poelcapelle French take Chemin des Dames, Fort Malmaison and Somme-Py British retake Passehendaele

29 Americans take Brieulles-sur-Meuse
Belgians take Dixmude

30 Allies take Romagne Americans take Apremont

.4362 **Argonne-Meuse offensiv: 1st phase *continued* Sep. 26–Oct. 10 Battle of Cambrai-St Quentin**

Sep. 27 Americans cros Canal du Nord

28 " take Marcoing, Fontaine-Notre-Dame, Cantaing and Noyelles

29 Americans take Bellicourt, Nauroy, Oppy and Biache–St Vaast

30 Allies take Thornigny and Le Tronquoy

Oct. 2 Allies take St Quentin

9 " " Cambrai

10 " " Le Cateau and St Souplet

.4363 **Argonne-Meuse offensiv: 2d phase Oct. 1–31**

Oct. 2 Belgians take Handzaeme and Hooglede
British take La Bassée and Rolleghemcapelle

2–9 Americans drive Germans from Reims region

3 Germans evacuate Armentières and Lens

4 " take Gesnes

5 French " Brimont fort

7 Allies " Berry-au-Bac and St Etienne
Americans " Brancourt, Chatel-Cléhéry, Consenvoye, Haumont woods and Prémont

8 Allies gain complete possession of Siegfried zone or Hindenburg line

9 Americans take Fléville British take Ramillies

.4364 **Argonne-Meuse offensiv: 2d phase *continued* Oct. 10–17**

Oct. 11 Americans take Vaux-Andigny

12 French " Vouziers

13 " " La Fère, Laon and St Gobain Massif

14 Allies take Roulers (Rousselaere) Americans encounter Kriemhilde line; take St Juvin
French take Sissonne

940.436 Campain of 1918 Belgium and France Allied offensiv: 2d period *continued*

.4364 **Argonne-Meuse offensiv: 2d phase Oct. 10–17** *continued*

Oct. 15 Allies take Olizy, Termes, Thourout and Comines British take Menin

16 Americans take Grandpré British take Wervicq and Wevelghem

17 Allies take Bruges and Ostend Americans take Côte de Chatillon British take Douai and Lille

.4365 **Argonne-Meuse offensiv: 2d phase** *continued* **Oct. 17–31**

Oct. 17–25 Battle of Selle river

18 Allies take Blankenberghe, Thielt, Wassigny and Zeebrugge British take Roubaix and Tourcoing Americans take Banthe-ville

19 British take Denain

26 " " Englefontaine and Famars

31 Americans " Bellejoyeuse farm

.4366 **Argonne-Meuse offensiv: 3d (final) phase Nov. 1–11**

Nov. 1 Americans take Aincreville, Doulcon, Ande-vanne and Landres et St Georges British take Valenciennes

1–11 Battle of the Sambre

2 Americans take Busancy

3 " " Authe, Chatillon-sur-Bar, Fosse, Nouart, Halles and Spitaals Bosschen

4 British take Landrecies

5 Allies break Hunding line French take Guise Americans cros the Meuse; take Liny-devant-Dun and Milly-devant-Dun

6 French take Rethel Americans take Woevre hights

7 British reach Bavai Americans enter Sedan

9 Allies take Tournai French take Hirson British take Maubeuge

10 French take Mézières and Charleville Belgians recover Ghent

11 Canadians take Mons

.4371 **Austro-Italian front Jan.-May**

Jan. 2–Feb. 11 Austro-German retreat

22–24 " " attacks in Trentino repulst

28 Italians advance on Asiago plateau; victorius on Col di Chelo (Col d'Echele) and on Col del Rosso

29 Italians victorius on Monte di Val Bella

May 10 Italians take Monte Corno

16 " begin new offensiv

27 " take summit of Monte Zig-nolon, in Trentino

Campain of 1918 *continued*

940.4372 **Austro-Italian front June-July**

June 15–16 Austrian offensiv opend on Asiago plateau and in Monte Grappa region
19 French take Bertigo and Pennas
19–24 Austrians driven across the Piave
29 Italians take Sasso Rosso and Monte di Val Bella
30 Italians take Col del Rosso and Col di Chelo (Col d'Echele)
July 16 Last of Austrians driven across the Piave
19 Italians take Castalunga
20 " reoccupy Corno di Cabento and Monte Stabiel
24 Great Italian offensiv against Austrians Italians take Monte Solarolo French take Monte Sisemol

.4373 **Austro-Italian front Aug.-Nov.**

Oct. 24–Nov. 4 Italians crush Austro-Hungarian armies on Venetian front, pushing them back on Friuli plain
28 Allies take Alano hights
29 Italians " Conegliano, Monte Cosen, Vittorio and Valdobbiadene
31 Italians reach Ponte nell' Alpi
Nov. 3 " take Trent, Udine, Trieste and Rovereto

.4374 **Russia in Europe**

Jan. 28 Rumanians take Kishineff
31 Bolsheviki " Kiev
Feb. 1 " " Odessa and Orenburg
9 Poles " Smolensk from Bolsheviki
15 " defeat Bolsheviki at Bobruisk
18 Germans take Dvinsk (Dunaburg) and invade Ukraine
20 Turks begin offensiv in the Caucasus
21 Germans take Rovno fortress and Minsk
25 " " Reval (Revel) and Pskoff (Pskov)
Mar. 2 Germans and Ukrainians occupy Kiev (Kieff)
5 " occupy Narva
13 " enter Odessa
31 " advance in Ukraine; take Poltava
Ap. 13 Turks occupy Batum
27 " enter Kars
May 1 Germans occupy Sevastopol
19 Moslems and Bolsheviki battle at Baku
July 8 Czechoslovaks take Nikolsk
Aug. 2 Allies take Archangel
Sep. 11 Czechoslovaks defeat Bolsheviki near Ekaterinburg

.4375 **Finland**

Feb. 6 White guards occupy Uleaborg
Mar. 14 Germans occupy Abo
Ap. 13 " " Helsingfors

Campain of 1918 *continued*

940.4376 **Serbia**

Sep. 15 Allied offensiv between Vardar river and Lake Doiran begins
24 French take Prilep
26 Serbs and British take Kochana
27 " " " " Veles (or Koprülü)
Oct. 12 " take Nish (Nisch, Nissa)
16 " " Kragujevatz

.4377 **Bulgaria**

Sep. 26 British and Greeks invade Bulgaria
27 " take Strumiza (Strumnitza)

.4378 **Albania**

July 11 French and Italians occupy Berat
20 Allies take Meran and Mt Tizce
Oct. 1 Italians retake Berat (lost in Aug.)
7 " occupy Elbasan (El Bassan)
14 " take Durazzo

.4381 **Turkey in Asia Asia Minor**

Feb. 24 Turks take Trebizond
Mar. 11 " " Erzerum
Oct. 1 British occupy Damascus
7 " take Beirut
26 " " Aleppo

.4382 **Turkey in Asia Palestine**

Jan. 31 British penetrate Mukhmas
Feb. 21 " take Jericho
Sep. 20 " occupy Nazareth
23 " take Es-Salt
24 " " Haifa and Acre
25 " occupy Tiberias
29 " take Gaza
Oct. 6 " occupy Zahlek and Rayak
7 " " Sidon
13 " " Tripoli
15 " " Homs

.4383 **Turkey in Asia Mesopotamia**

Mar. 26 British advance in Mesopotamia
28 " defeat Turks at Hit
Ap. 27 " take Kirfa
May 7 " " Kirkuk
Oct. 28 " " Kalat Shergot
30 Entire Turkish force surrenders on Tigris

.4384 **Persia**

June 14 Turks take Tabriz

.4385 **East Asia Siberia**

Ap. 5 British and Japanese land at Vladivostok
June 7 Czechoslovaks take Chita
8 " reach Vladivostok
Aug. 15 Americans land at "
22 Allies advance in Siberia
Sep. 5 Japanese occupy Khabarovsk

.4388 **Colonial operations**

Nov. 25 Remnants of German forces in German East Africa surrender

.439 Armistice Nov. 11, 1918

.4393 **Celebrations**

940.44 Air warfare

.441 Air servis

Observation and scouting, artillery detecting, range finding; signaling; bombing, land fighting, naval fighting, antisubmarine; coast patrol

.442 Organized raids

Special raids ar preferably clast under 940.444–.448

2 On England

3 " Germany

4 " France

.443 Air servis bases

.444 Events of 1914

Aug. 30 German raids on Paris

Oct. 8 British attack Dusseldorf and Cologne

Dec. 24 German air raid on England

25 British ships with hydroplanes raid Cuxhaven

See also 940.454

.445 Events of 1915

Jan.-Dec. German raids on England

Feb. 12 British aircraft raid Belgian coast

June 12 Italian aviators destroy arsenal at Pola

See also 940.4248

15 French bombard Karlsruhe

Oct.-Dec. " " Metz

.446 Events of 1916

Jan.-Dec. Paris raided by zeppelins

Battles of Verdun See also 940.4273

Jan. 29–31 England raided by zeppelin and airplanes

Mar. 15 Italians bombard Trieste See also 940.4274

20 Allied airplanes bombard Zeebrugge

Sep. 5 Germans bombard Constanza See also 940.4281

26 " " Bukarest

Nov. 10 1st general air battle of the war

See also 940.4272

.447 Events of 1917

Ap. 7 Air battle over Hindenburg line

See also 940.4314

24 2d battle of Arras See also 940.4315

May 18 Battle in the Adriatic See also 940.457

July 28 Germans raid Paris

Oct. 1 " " London

20 German zeppelins and French planes battle

23–26 French aviators fight 611 aerial engagements during battle of Malmaison

See also 940.4316

Dec. 27 Engagement on Italian front

See also 940.4324

940.448 **Events of 1918**

Jan. Germans raid Paris

Mar. 1 " " Toul See also 940.4340

25 Allies attack Nesle and Bapaume
See also 940.4341

May 23 French attack Ghent See also 940.4342

July 19–20 Italian victory at Piave See also 940.4372

Aug.–Nov. Successful fighting by allied fliers: Albert Montdidier salient (see also 940.4353); Ludendorff offensiv, Marne salicnt (see also 940.4343); Reims offensiv

Sep. 23 Allies bomb Constantinople

.449 **History of air warfare**
Including special fliers and airships. Divide like 940–999

.45 Naval history

.451 **Submarine warfare**

2 **German use of submarine ('U' boat)**
War on neutrals; blockade; attack on merchantmen and cruisers of Allies

3 **Use of submarine by Allies**
Divided like 940–999

4 **Important events**

1915 Feb. 18 Germans begin organized submarine warfare

May 7 Lusitania sunk by German submarine
See also 940.455

1916 Mar. 24 Sussex sunk without warning

1917 Jan. 31 Germany announces unrestricted submarine warfare

1918 Feb. 16 Raid on Dover

6 **Antisubmarine warfare**
Camouflage, chasers mine fields, nets, 'Q' or mystery boats, etc.

.452 **Blockades and blockade running**
Submarine blockade, German war zone, British embargo and blockade, contraband

.453 **Naval bases**

British: China, East Indies, Cape of Good Hope, New Zealand, Australia

French: Toulon, Dunkirk, Brest, Calais, Cherbourg

German: Zeebrugge, Wilhelmshaven, Helgoland, Ostend, Kiel, Cuxhaven, Borkum

.454 **Events of 1914**

Aug. 28 British victory in Helgoland bight

Oct. 19 " bombard Nieuport See also 940.4213

29 Turkish cruisers bombard Theodosia and Odessa

Nov. 1 German victory in the Pacific, off Chilean coast, battle of Coronel

3 German raid into English waters

10 " cruiser Emden caught and destroyd at Cocos iland

Dec. 8 British victory off Falkland ilands

16 German warships bombard West Hartlepool, Scarborough and Whitby

25 British ships with hydroplanes raid Cuxhaven
See also 940.444

940.455 Events of 1915
Jan. 24 British victory in North Sea, off Dogger bank
Feb. 2–25 Anglo-French squadron bombards Dardanelles
See also 940.4259
May 7 Lusitania sunk by German submarine
Preferably clast in 940.4514
June 2 British on Tigris secure surrender of Kut-el-Amara
Sep. 24 British bombard Zeebrugge
Oct. Allies " Bulgarian coast

.456 Events of 1916
Ap. 17 Russians bombard Trebizond See also 940.4291
May 31 British victory off Jutland
Aug. 9 Italians take Gorizia See also 940.4274

.457 Events of 1917
May 14–18 Battle in the Adriatic See also 940.447
Oct. 18 " " Gulf of Riga

.458 Events of 1918
Jan. 20 British bombard Ostend
Oct. 3 Austrian naval base and warships at Durazzo destroyd
15–17 British warships enter Ostend See also 940.4364

.459 Naval history of special countries Divided like 940–999

.46 Celebrations Commemorations
Usually better clast with event commemorated. For American patriotic societies of this war, see 369.186

.461 War meetings Divided like 940–999

.463 Flag presentations " " "

.464 Decorations: presentation " " "

.465 Monuments Memorials " " "
General, of the war or a country's part in it; but clas memorials of a special event with that event

.467 Rolls of honor Lists of ded Divided like 940–999

.47 Prisons Hospitals Charities

.472 Prisons
Divided like 940–999 and including internment camps

.473 Exchange of prisoners

.475 Medical department: surgeons, nurses See also 616 and 617

2 Sanitary affairs

3 Ambulance companies

4–9 By country maintaining Divided like 940–999

.476 Hospitals, hospital sketches

34–39 By country in which located Divided like 940–999

4–9 " " maintaining " " "

WORLD WAR II 1939—

(Supplement to Decimal Classification and Relativ Index by Melvil Dewey, ed 14, 1942)

NB *References to this war and to the World war I ar enterd in the Relativ Index under* European war

940.53–.54 World war 2 1939—

The following outline is based on 940.3–.4 Tho a definitiv scheme cannot be provided before the war is over, the most important subdivisions are given below

SUMMARY

940.531	Political history
.532	Diplomatic history
.533	Groups of countries: allies and neutrals
.534–.539	Individual countries
.54	Military history
.541	Land operations
.542	Special campains and battles
.544	Air operations
.545	Naval operations
.546	Celebrations, commemorations
.547	Prlsons, hospitals, welfare work
.548	Personal narrativs, secret service, propaganda
.549	Illustrativ material

940.531 Political history

Clas here temporarily war aims and peace aims; e.g. "Atlantic Charter"

See also 940.53144 Reconstruction

1 Causes

12 Historical, political and diplomatic causes

13 Economic causes

2 Efforts to preserv or restore peace

See also 940.532 Diplomatic history

29 By country

Divided like 940–999

4 Results: terms of peace

(To be used with proper subdivisions after adoption of peace treaties)

44 Reconstruction

Clas here plans, problems and discussion in general of the post-war world

5 Relations of various classes

Subdivided like the whole classification, using 9 for refugees, divided like 940–999 by country of origin; e.g. 940.53159438 Polish refugees. See also 940.5316

52 Clergy Church

Subdivide 940.53152–528 like 280, but use 940.5315289 for sects in 289; e.g.

940.531521 Greek Catholic church

940.531522 Roman Catholic church Pope

940.53152895 Christian scientists

Use 940.531529 like 290; e.g.

940.5315296 Jews

940.5315297 Mohammedans Holy war

940.5316 Other special classes
61 Noncombatants Children
62 Pacifists Conscientious objectors
63 Enemy sympathizers
For saboteurs, spies and " Fifth column " see 940.5485
8 Relations of special interests Aspects
Divided generally like the classification; e.g. Economic aspect 940.531833

.532 Diplomatic history
See also 940.531 Political history
2 United Nations
Including anti-Axis nationalist groups; e.g. Free French movement. Divided like 940–999
4 Axis Powers
Including pro-Axis nationalist groups; e.g. Quisling movement. Divided like 940–999
5 Neutrals
Divided like 940–999

.533 Groups of countries: allies and neutrals
Collectively; for individual countries see 940.534–.539
2 United Nations
4 Axis Powers
5 Neutrals
6 Occupied countries Occupation
7 Occupation by Axis Powers
8 " " United Nations

.534–.539 Individual countries
Divided like 940–999
Under each country further subdivision may be made with the following numbers, if its part in this war is clast here insted of with the rest of its history:
01 Political history Causes
02 Diplomatic history
03 Local (states, countries, provinces, cities)
04 Military organization
Clas operations in 940.54
05 Aspects: economic and other
06 Celebrations
07 Prisons, etc.
08 Personal narrativs, secret service, propaganda
09 Illustrativ

.54 Military history
.5401 Strategy
12 United Nations
Divided like 940–999
13 Axis Powers
Divided like 940–999
2 Recruitment Drafts Volunteers
Clas here general discussions only. When relating to special country clas under 940.534–.539
3 American Negroes American Indians
Clas here general discussion of use of such troups. For their history as military units see 940.541273
4 Other racial and national groups
For general discussions only. See note under 940.5403

940.5405 Penal and malign mesures
Deportation, segregation of dangerous or undesirable groups and individuals, confiscation, censorship. For conscientious objectors see 940.53162; for concentration camps, etc., see 940.5472

56 Frightfulness Cruelty
As military expedient. For other aspects see Cruelty in Relativ Index

.541 Land operations
For general works on land operations by countries involved. Clas here also concerted operations of land forces with other services; e.g. land and naval forces; land and air forces; land, air and naval forces

1 Special branches of service
Clas here material on various land services not limited to special countries or belligerent groups; e.g. organization (armies, corps, divisions, etc.) training camps, specific services (infantry, paratroops, guerillas, cavalry, tank corps, artillery, etc.) supply services (quartermaster's and ordnance departments) etc. If material is broad it may be clast in 355–358. For medical, sanitary and ambulance services see 940.5475

2 Military organizations of United Nations
Divided like 940–999

3 Military organizations of Axis Powers
Divided like 940–999

4 Battle fronts
Proper subdivisions to be provided after the war is over

.542 Special campains and battles
Including separate armistices such as Franco-German and Franco-Italian. Proper arrangement of material which belongs here can be provided only after the war is over

.544 Air operations
Material on events of air warfare to be clast here until proper subdivisions (similar to those in 940.444–) can be provided after the war is over

1 Air service
Observation and scouting, artillery detecting, range finding, signaling, bombing, land, air, or naval fighting, antisubmarine operations, coast patrol with airplanes, airships, blimps, etc., balloon barrage

2 Organized raids

3 Air bases

.545 Naval operations
Material on events of naval warfare to be clast here until proper subdivision (similar to those in 940.454–) can be provided after the war is over

1 Submarine warfare

12 Use of submarines by Axis Powers

13 Use of submarines by United Nations

16 Antisubmarine operations
Aircraft, camouflage, chasers, mine fields, nets, etc.

2 Blockades and blockade running
Submarine blockade, war zones, embargo, contraband

3 Naval bases

.546 Celebrations Commemorations
Divided like 940.46

940.547 Prisons Hospitals Charities

2 Prisons

Including internment and concentration camps and areas. Divided like 940–999

3 Exchange of prisoners

5 Medical departments: surgeons, nurses

See also 616 and 617

52 Sanitary affairs

53 Ambulance units

54–59 By country maintaining

Divided like 940–999

6 Hospitals, hospital sketches

634–639 By country in which located Divided like 940–999

64–69 By country maintaining " " "

7 Welfare work

Clas here material related to welfare work in general, and work by particular organizations except the work of the Red Cross for which special subdivision is provided below

71 Red Cross

78 By country conducting Divided like 940–999

79 By country in which conducted " " "

8 Religious life, chaplains, etc.

.548 Personal narrativs, secret service, propaganda

1 Personal narrativs: United Nations Divided like 940–999

2 " " Axis Powers " " "

3 Army life: United Nations " " "

4 " " Axis Powers " " "

5 Secret service Spies Saboteurs "Fifth column"

6 United Nations Divided like 940–999

7 Axis Powers " " "

8 Propaganda War of nervs Psicologic war

86 United Nations Divided like 940–999

87 Axis Powers " " "

89 In special countries

Divided like 940–999; clas here propaganda of both sides in a special country

.549 Illustrativ material

Divided like 973.79

For special collections; most material is better clast with its subject: poetry, drama, etc. with literature to which they belong

Copyright by Lake Placid Club Education Foundation, 1942
Publisht by Forest Press Inc, Lake Placid Club, N Y

940.477 Welfare work Charities
1 Red Cross
2 Salvation Army
3 Y M C A
4 Y W C A
5 Knights of Columbus
6 Young Men's Hebrew ass'n
7 Other: college units, etc
8 By country conducting Divided like 940–999
9 By country in which conducted Divided like 940–999
.478 Religious life, chaplains etc
.48 Personal narrativs, secret servis, propaganda
When relating to some special battle or other event clas with subject
.481 Personal narrativs: Entente Divided like 940–999
.482 " Central powers " " "
.483 Army life: Entente " " "
.484 " Central powers " " "
.485 Secret servis Spies " " "
Clas here works including activities of both sides, but for secret servis or spy activities of one of the belligerents or groups of belligerents in a special country prefer 940.486–.487
.486 Entente Divided like 940–999
.487 Central powers " " "
.488 Propaganda
6 Entente " " "
7 Central powers " " "
9 In special countries " " "
Clas here works including propaganda of both sides but for propaganda in a special country by one of the belligerents or groups of belligerents prefer 940.4886–7
.49 Illustrativ material Divided like 973.79
For special collections; but most material should be clast with its subject: poetry, drama etc, with the literatures to which they belong
.5 **Later 20th century** Including works on 20th century as a whole
.51 1919–29 .52 1930– .53–.54 European war 1939– Divided like 940.3–.4: e.g. Causes 940.5311

941 Scotland

Period divisions

.01 Gaelic period –1097
.02 English period 1097–1314
Struggle for national freedom
.03 Independent kingdom 1314–1424
.04 The Jameses 1424–1557
.05 Reformation 1557–1603
.06 Union of crowns and parliaments 1603–1707
.07 Hanover 1707–1837
.08 Later Hanoverian Windsor 1837–

Geografic divisions

.1 **Northern Scotland**
.11 Shetland .12 Orkney 13 Caithness .14 Sutherland .15 Cromarty .16 Ross .17 Hebrides
.2 **North central Scotland**
.21 Inverness .22 Nairn .23 Elgin .24 Banff .25 Aberdeen .26 Kincardine

941.3 **South central Scotland**

.31 Forfar .32 Perth .33 Fife .34 Kinross .35 Clackmannan .36 Stirling .37 Dumbarton .38 Argyll .39 Bute

.4 **Southern Scotland**

.41 Renfrew .42 Ayr .43 Lanark .44 Linlithgow .445 Edinburgh .45 Haddington .455 Berwick .46 Peebles .465 Selkirk .47 Roxburgh .48 Dumfries .49 Kirkcudbright .495 Wigtown

941.5 Eire (Ireland)

Period divisions

.51	Early history	–1086
.52	Separate kingdoms	1086–1172
	Conquest by Henry 2	
.53	Plantagenet	1172–1399
.54	Lancaster and York	1399–1485
.55	Tudors	1485–1603
.56	Stuarts	1603–91
	Closing with treaty of Limerick	
.57	Hanover	1691–1801
	Closing with the union	
.58	19th century	1801–1900
.591	Early 20th century	
	Government of Ireland act, 1920	
	Northern Ireland	1920–
	Southern Ireland	1920–22
	Irish Free State act, 1922	
	Irish Free State	1922–37
	Eire	1937–

Geografic divisions of Ireland

941.6 **Ulster**

.61 Antrim .62 Londonderry .63 Donegal .64 Tyrone .65 Down .66 Armagh .67 Monaghan .68 Fermanagh .69 Cavan

.7 **Connaught**

.71 Leitrim .72 Sligo .73 Mayo .74 Galway .75 Roscommon

.8 **Leinster**

.81 Longford .815 West Meath .82 Meath .825 Louth .83 Dublin .84 Wicklow .85 Kildare .86 King's co. .87 Queen's co. .88 Carlow .885 Wexford .89 Kilkenny

.9 **Munster**

.91 Waterford .92 Tipperary .93 Clare .94 Limerick .95 Cork .96 Kerry

942 England

Including works on Great Britain

Period divisions

For specially minute work the 6th figure printed for each soveren may be used; e. g. Henry 7 is 942.051

.01	**Anglo-Saxon**	–1066
	Prehistoric, Roman, British, Danish	
.02	**Norman**	1066–1154
	1 William 1 *1066–87* 2 William 2 *1087–1100* 3 Henry 1 *1100–35* 4 Stephen *1135–54*	
.03	**Plantagenet**	1154–1399
	1 Henry 2 *1154–89* 2 Richard 1 *1189–99* 3 John *1199–1216* 4 Henry 3 *1216–72* 5 Edward 1 *1272–1307* 6 Edward 2 *1307–27* 7 Edward 3 *1327–77* 8 Richard 2 *1377–99*	

942.04 **Lancaster and York** 1400–85

Wars of the roses 1455-85 (Lancaster, red; York, white)

1 Henry 4 *1399–1413* 2 Henry 5 *1413–22* 3 Henry 6 *1422–61* 4 Edward 4 *1461–83* 5 Edward 5 *1483* 6 Richard 3 *1483–85*

.05 **Tudor** 1485–1603

1 Henry 7 *1485–1509* 2 Henry 8 *1509–47* 3 Edward 6 *1547–53* 4 Mary *1553–58* See also 272.6 5 Elizabeth *1558–1603* See also 272.7

.06 **Stuart** 1603–1714

1 James 1 *1603–25* 2 Charles 1 *1625–49* 3 Commonwelth *1649–53* 4 Oliver Cromwell *1653–58* 5 Richard Cromwell *1658–59* 6 Charles 2 *1660–85* 7 James 2 *1685–88* 8 William 3 *1689–1702* 9 Anne *1702–14;* War of Spanish succession

.07 **Hanover** 1714–1837

1 George 1 *1714–27* 2 George 2 *1727–60* 3 George 3 *1760–1820* 4 George 4 *1820–30* 5 William 4 *1830–37*

.08 **Later Hanoverian Windsor** 1837–

1 Victoria *1837–1901* 2 Edward 7 *1901–10* 3 George 5 *1910–36;* 4 Edward 8 *1936* George 6 *1936–*

Geografic divisions

942.1 **London county Middlesex**

.11 **London north of Thames:** .12 Central London London city, Finsbury, Holborn .13 West London Westminster, Chelsea, Fulham, Hammersmith, Kensington, Paddington .14 North London St Marylebone, Hampstead, St Pancras, Islington, Stoke Newington, Hackney .15 East London Shoreditch, Bethnal Green, Poplar, Stepney .16 **London south of Thames:** Southwark, Bermondsey, Deptford, Greenwich, Woolwich, Lewisham, Camberwell, Lambeth, Battersea, Wandsworth .17 **Environs of London** .19 **Middlesex**

.2 **Southeastern Thames river**

.21 Surrey .23 Kent .25 Sussex .27 Hants .28 Isle of Wight .29 Berks

.3 **Southwestern**

.31 Wilts .33 Dorset .34 Channel ilands .35 Devon .37 Cornwall .38 Somerset

.4 **West Midland**

.41 Gloucester .43 Monmouth .44 Hereford .45 Salop .46 Stafford .47 Worcester .48 Warwick

.5 **North and South Midland**

.51 Derby .52 Notts .53 Lincoln .54 Leicester .545 Rutland .55 Northampton .56 Huntingdon .565 Bedford .57 Oxford .575 Buckingham .58 Hertford .59 Cambridge

.6 **Eastern**

.61 Norfolk .64 Suffolk .67 Essex

.7 **Northwestern and Yorkshire**

.71 Cheshire .72 Lancashire .74 Yorkshire

.8 **Northern**

.81 Durham .82 Northumberland .85 Cumberland .88 Westmoreland .89 Isle of Man

.9 **Wales**

.91 Anglesey .92 Carnarvon .925 Merioneth .93 Denbigh .935 Flint .94 Montgomery .95 Cardigan .96 Radnor .965 Brecknock .97 Glamorgan .98 Carmarthen .99 Pembroke

943 Germany and Austria

Period divisions

.01 Formativ period -843

Wars with Rome Charlemagne *800–814* Louis 1 *814–840* Lothaire 1 *840–843*

.02 Empire before the reformation

1 Carolingian *843–911:* Louis 2 *843–876* Charles 2 *876–877* Charles 3 *877–887* Arnulf *887–899* Louis 3 *900–911*

2 House of Franconia: Conrad 1 *911–918* House of Saxony, *919–1024:* Henry 1 *919–936* Otto 1 *936–973* Otto 2 *973–983* Otto 3 *983–1002* Henry 2 *1002–24*

3 House of Franconia *1024–1125:* Conrad 2 *1024–39* Henry 3 *1039–56* Henry 4 *1056–1106* Henry 5 *1106–25* House of Saxony: Lothaire 2 *1125–37*

4 House of Hohenstaufen *1137–97:* Conrad 3 *1138–52* Frederick 1 *1152–90* Henry 6 *1190–97*

5 House of Hohenstaufen and Interregnum *1198–1272:* Philip *1198–1208* Otto 4 *1208–12* Frederick 2 *1212–50* Conrad 4 *1250–54* William of Holland *1254–56* Richard of Cornwall *1256–72*

6 Houses of Hapsburg, Luxemburg, etc. *1273–1378:* Rodolph 1 *1273–91* Adolphus *1291–98* Albert 1 *1298–1308* Henry 7 *1308–13* Louis 4 *1313–47* Charles 4 *1347–78*

7 Interregnum *1378–1437:* Wenceslaus *1378–1400* Rupert *1400–10* Sigismund *1410–37*

8 Albert 2 *1438–39* Frederick 3 *1440–93*

9 Maximilian 1 *1493–1519*

.03 Reformation to 1618 1517–1618

1 Charles 5 *1519–1556* 2 Ferdinand 1 *1556–64* 3 Maximilian 2 *1564–76* 4 Rodolph 2 *1576–1612* 5 Matthias *1612–19*

.04 Disintegration 1618–1705

1 Thirty years' war *1618–48* 2 Ferdinand 2 *1619–37* 3 Ferdinand 3 *1637–57* 4 Leopold 1 *1658–1705*

.05 Rise of Prussia 1705–89

1 Joseph 1 *1705–11* 2 Charles 6 *1711–40* 3 *1740–42* 4 Charles 7 *1742–45* 5 Francis 1 *1745–65* 6 Seven years war *1756–63* 7 Joseph 2 *1765–90*

.06 Napoleonic wars 1789–1815

Leopold 2 *1790–92* Francis 2 *1792–1806* Confederation of the Rhine *1806–15*

.07 Reorganization 1815–66

.08 New German empire 1866–1918

1 North German confederation *1866–71* 2 Franco-German war *1870–71* 3 William 1 *1871–88* 4 Frederick *1888* William 2 *1888–1918* ; World war *1914–19* and downfall of empire

.085 German republic 1918–

Presidency of Ebert *1919–25* Hindenburg *1925–34*

.086 Hitler 1933–

Geografic divisions of Germany and Austria

943.1 **Prussia and Northern Germany**

By peace of Versailles, 1919, most of Posen (.13) and parts of East Prussia (.11) of West Prussia (.12) and Silesia (.14) wer restored to Poland. Danzig (.12) as part of Poland made free city with 729 sq. mi. of territory

.11 East Prussia .12 West Prussia, Danzig .13 Posen .14 Silesia .15 Brandenburg .16 Pomerania .17 Mecklenburg and Lubeck .18 Prussian Saxony .19 Anhalt

.2 **Central Germany**

.21 Saxony .22 Thuringia .23 Saxe-Weimar .24 Saxe-Altenburg .25 Saxe-Gotha-Coburg .26 Saxe-Meiningen .27 Schwarzburg .28 Reuss

.3 **Bavaria**

.31 Upper Franconia .32 Middle Franconia .33 Lower Franconia .34 Upper Palatinate .35 Lower Bavaria .36 Upper Bavaria .37 Suabia

.4 **Southern Germany**

In 1919 by peace of Versailles 382 sq. mi. of Rhenish Prussia (.42) including Moresnet, Malmédy and Eupen wer ceded to Belgium, and 783 sq. mi. of Saar valley to France subject to plebiscit in 1934. Alsace (.445) and Lorraine (.45) taken from France in 1871 wer restored. See 944.38

.41 Hesse Darmstadt .42 Rhenish Prussia .43 Palatinate, Rhenish Bavaria .44 Alsace-Lorraine: .445 Alsace .45 Lorraine .46 Baden .47 Wurtemburg .48 *Black Forest* and *Danube* .49 Hohenzollern

.5 **Northwest Germany**

By peace of Versailles in 1919 part of Schleswig-Holstein (.51) was restored to Denmark

.51 Schleswig-Holstein: .515 Hamburg .518 Helgoland .52 Oldenburg: .525 Bremen .53 Hanover .54 Brunswick .55 Lippe .56 Westphalia .57 Waldeck .58 Hesse-Nassau

.6 Austria

.61 Lower Austria .62 Upper Austria .63 Salzburg .64 Tyrol, Vorarlberg .648 Liechtenstein .65 Styria .66 Carinthia .67 Carniola .68 Istria, Gorizia and Gradisca .69 Dalmatia

.7 Czechoslovakia

Since Oct. 28, 1918, an independent nation; Bohemia, Moravia, Silesia, Slovakia and autonomous Ruthenia

.71 Bohemia .72 Moravia .73 Silesia .74 Galicia (as a result of the World war, 1914–19, restored to Poland) .75 Bukowina (since Nov. 1918 a part of Rumania)

.8 Poland Including history before the division

Extinct as state from 3d partition in 1795 til 1919, when its soverenty was restored by the peace of Versailles. See also 943.11–.14, 943.73–.74 and 947.4–.5

.9 Transleithania: Hungary, etc.

By the peace of Versailles 1919 the union of Transylvania (.92) with Rumania in 1918 was confirmd; Fiume (.94) was made independent, subject to plebiscit in 4 years (in 1924 assignd to Italy); Slavonia (.93) Croatia (.94) Bosnia (.95) and Herzegovina (.96) wer recognized as part of Jugoslavia (949.7)

.91 Hungary .92 Transylvania .93 Slavonia .94 Croatia, Fiume .95 Bosnia and Herzegovina .955 Bosnia .96 Herzegovina

944 France

Period divisions

.01 **Early history** –987
Ancient Kelts –59 B. C. Roman dominion 59 B. C.–418 A. D. Merovingian dynasty 428–752 Carolingian 752–987

.02 **Capet and Valois** 987–1589
House of Capet
1 Hugh Capet *987–996* Robert 2 *996–1031* Henry 1 *1031–60*
2 Philip 1 *1060–1108* Louis 6 *1108–37* Louis 7 *1137–80*
3 Philip 2 *1180–1223* Louis 8 *1223–26* Louis 9 *1226–70*
4 Philip 3 *1270–85* Philip 4 *1285–1314* Louis 10 *1314–16*
John 1 *1316* Philip 5 *1316–22* Charles 4 *1322–28*
House of Valois
5 Philip 6 *1328–50* John 2 *1350–64* Charles 5 *1364–80*
6 Charles 6 *1380–1422* Charles 7 *1422–61*
7 Louis 11 *1461–83* Charles 8 *1483–98* Louis 12 *1498–1515*
House of Angoulême
8 Francis 1 *1515–47* Henry 2 *1547–59*
9 Francis 2 *1559–60* Charles 9 *1560–74* Henry 3 *1574–89*

.03 **Bourbon** 1589–1789
1 Henry 4 *1589–1610* 2 Louis 13 *1610–43* 3 Louis 14 *1643–1715;* War of Spanish succession 4 Louis 15 *1715–74* 5 Louis 16 *1774–92*

.04 **Revolution** 1789–1804
1 National assembly *1789–92* 2 First republic *1792–99* 3 Convention *1792–95* 4 Reign of terror. May *1793*–July *1794* 5 Directory *1795–99* 6 First consulate, Napoleon *1799–1804*

.05 **First empire** 1804–1815
Napoleon 1 *1804–14* Louis 18 *1814–15* The hundred days, March 20–June 29, 1815

.06 **Restoration** 1815–1848
1 Louis 18 *1815–24* 2 Charles 10 *1824–30* 3 Louis Philippe *1830–48*

.07 **Second republic and second empire** 1848–1870
Revolution of *1848* Second republic, Louis Napoleon, pres. *1848–52* Napoleon 3 *1852–70*

.08 **Third republic** 1870–
Franco-German war, Government of national defense *1870–71* National assembly *1871* Presidency of Thiers *1871–73* McMahon *1873–79* Grévy *1879–87* Sadi-Carnot *1887–94* Casimir Périer *1894–95* Faure *1895–99* Loubet *1899–1906* Fallières *1906–13* Poincaré *1913–20;* World war *1914–19* Deschanel *1920* Millerand *1920–24* Doumergue *1924–31* Doumer *1931–32* Lebrun *1932–*

Geografic divisions of France

.1 **Brittany Maine Anjou**
.11 Finistère .12 Côtes du Nord .13 Morbihan .14 Loire Inférieure .15 Ille et Vilaine .16 **Maine:** Mayenne .17 Sarthe .18 **Anjou:** Maine et Loire

.2 **Normandy Picardy**
.21 Manche .22 Calvados .23 Orne .24 Eure .25 Seine Inférieure .26 **Picardy:** Somme .27 **Artois:** Pas de Calais .28 **French Flanders:** Nord

944.3 **Champagne Ile de France Lorraine**

.31 Ardennes .32 Marne .331 Aube .332 Haute Marne .34 **Ile de France:** Aisne .35 Oise .36 Seine et Oise, Paris .37 Seine et Marne .38 **Lorraine** (Alsace-Lorraine): .381 Meuse .382 Meurthe et Moselle .383 Alsace (But use .38 for Alsace and Lorraine together) See also 943.44-.45 .39 Vosges

.4 **Burgundy Franche Comté Savoy**

.41 Yonne .42 Côte d'Or .43 Saône et Loire .44 Ain .45 **Franche Comté:** Haute Saône, Belfort .46 Doubs .47 Jura .48 **Savoy:** Savoie .49 Haute Savoie

.5 **Orléans, etc. Auvergne**

.51 Eure et Loir .52 Loiret .53 Loir et Cher .54 **Touraine:** Indre et Loir .55 Berry .551 Indre .552 Cher .56 **Nivernais:** Nièvre .57 **Bourbonnais:** Allier .58 **Lyonnais** .581 Loire .582 Rhône .59 **Auvergne** .591 Puy de Dôme .592 Cantal

.6 **Poitou Limousin**

.61 Vendée .62 Deux Sèvres .63 Vienne .64 Charente Inférieure .65 Charente .66 **Limousin:** Haute Vienne .67 Corrèze .68 **Marche:** Creuse

.7 **Guienne Gascony**

.71 Gironde .72 Dordogne .73 Lot .74 Aveyron .75 Tarn et Garonne .76 Lot et Garonne .77 **Gascony** .771 Gers .772 Landes .78 Hautes Pyrénées .79 **Béarn:** Basses Pyrénées

.8 **Languedoc**

.81 Haute Loire, Lozère .82 Ardèche .83 Gard .84 **Hérault** .85 Tarn .86 Haute Garonne .87 Aude .88 **Foix:** Ariège .89 Pyrénées Orientales

.9 **Provence Dauphiny**

.91 Bouches du Rhône .92 Vaucluse .93 Var .94 **Alpes** Maritimes .949 Monaco, Monte Carlo .95 Basses Alpes .96 **Dauphiny** .97 Hautes Alpes .98 Drôme .99 Isère

945 Italy

Period divisions

.01	Gothic and Lombard kingdoms	476–774
.02	Frankish emperors	774–961
.03	German emperors	962–1122
	Hildebrand and papal supremacy	
.04	Age of the communes	1100–1300
	Free cities Strifes of Guelphs and Ghibelines	
.05	Age of the despots	1300–1492
.06	Age of invasions	1492–1527
.07	Spanish-Austrian ascendancy	1527–1796
.08	Struggle for independence	1796–1870
	Victor Emmanuel 2, Cavour, Garibaldi	
.09	United Italy	1870–
	Victor Emmanuel 2 –1878; Humbert 1878–1900; Victor Emmanuel 3 1900– Mussolini	

Geografic divisions of Italy

945.1 Piedmont and Liguria
.2 Lombardy
.3 Venetia
.4 Emilia
.5 Tuscany
.6 Marches, Umbria and Latium
.7 Naples
.71 Abruzzo and Molise .72 Campania .73 Napoli
.74 Salerno .75 Apulia .753 Lecce, Terra di Otranto
.77 Basilicata, Potenza .78 Calabria .783 Reggio di Calabria
.8 Sicily Malta
.9 Sardinia and Corsica

946 Spain

Period divisions

.01 Early history Roman dominion Gothic kingdom — 711
.02 Moorish kingdom 711–1479
.03 Ferdinand 5 and Isabella 1479–1516
Discovery
Expulsion of the Moors
.04 Charles 1 and Philip 2 1516–98
Inquisition War with the Netherlands Armada Charles 1 (5th of Germany) *1516–56* Philip 2 *1556–98*
.05 Philip 3–Charles 4 1598–1808
Degeneration 1 Philip 3 *1598–1621* 2 Philip 4 *1621–65* 3 Charles 2 *1665–1700* 4 House of Bourbon: 5 Philip 5 *1700–46* 6 Ferdinand 6 *1746–59* 7 Charles 3 *1759–88* 8 Charles 4 *1788–1808*
.06 Peninsular war 1808–14
Joseph Bonaparte
.07 Bourbon restoration 1814–68
Attempts at reform
Ferdinand 7 *1814–33* Isabella 2 *1833–68*
.08 Revolution and 2d restoration 1868—
Revolution of *1868–70* Amadeus *1870–73* Republic *1873–75* Alfonso 12 *1875–85* Alfonso 13 *1886–1931* 2d republic *1931–*

Geografic divisions of Spain

.1 Galicia Asturias
.2 Leon Estremadura
.3 Old Castile
.4 New Castile
.5 Navarre Aragon
.6 Basque provinces
.7 Catalonia Balearic iles Valencia Murcia
.8 Andalusia Canary iles Geograficly better in 964.9

.9 Portugal

.91 Entre Minho-e-Douro .92 Tras-os-Montes .93 Beira
.94 Estremadura .95 Alemtejo .96 Algarve .98 Madeira
.99 Azores

947 Union of Soviet Socialist Republics (Russia)

Period divisions

.01	Primitiv Russia	—862
.02	Varangian kingdom	862–1237
	Conversion to Christianity	
.03	Mongolian invasion	1237–1462
	Civil wars	
.04	Ivan 3–Ivan 5	1462–1689
	Origin of serfdom	
.05	Peter the Great	1689–1725
	Wars with Sweden and Turkey	
.06	Catharine 1–Catharine 2	1725–96
	Partition of Poland	
.07	Paul 1–Nicholas 1	1796–1855
	War with Napoleon	
	Insurrection of Poland	
	Crimean war See also 942.08, 944.07, 945.08, 949.6	
.08	Alexander 2	1855–81
	Emancipation of the serfs	
	Turko-Russian war	
	Alexander 3	1881–94
	Nicholas 2	1894–1917
	Revolution 1917	
.084	Republic	1917–

Geografic divisions of Russia

.1	**Finland**	**Lapland**
.2	**Northern Great Russia**	
	Archangel, Vologda, Olonetz, Novgorod	
.3	**Southern Great Russia**	
.4	**Baltic provinces**	**Ingria (Ingermanland)**
	Courland, Livonia, Esthonia, Leningrad (Petrograd, St Petersburg)	
.5	**Russian Poland**	
	Partly restored to Poland by peace of Versailles 1919. Lithuania	
.6	**West Russia**	
.7	**Little Russia**	**South Russia** **Ukraine**
.8	**East Russia**	
.9	**Caucasia**	

948 Norway Sweden Denmark

Period divisions

.01	**Legendary period**	–800
.02	**Consolidation** **Migration**	801–1397
	Introduction of Christianity	
	Discovery of Iceland, Greenland, and America	
	Conquest of Britain and Normandy	
.03	**Union of the 3 kingdoms**	1397–1523
	Civilization Foren relations	
.04	**The reformation**	1523–1648
	Edict of toleration 1527	
	30 years war Gustavus Adolphus	
.05	**Decline**	1648–1792
	Wars vs Denmark, Poland, Russia	
	Political changes	
.06	**Napoleonic wars**	1792–1814
	Union of Norway and Sweden 1814	
.07	**19th century**	1814–1905
	Charles 14 (Bernadotte)	
	Peace, internal reform. Separation of Norway from Sweden, 1905	
.08	**20th century–**	1905–

Geografic divisions

.1	**Norway**
.2	**Oslo (Christiania)** **Christiansand**
.3	**Bergen** **Hamar**
.4	**Throndhjem** **Tromso**
.5	**Sweden**
.6	**Gothland**
.7	**Svealand**
.8	**Norrland**
.9	**Denmark**

949 Other countries of Europe

.1 **Iceland Faroe ilands**

01 Commonwelth *–1264* 02 Medievalism *1264–1551* 03 Absolute rule, Decay *1551–1848* 04 Modern Iceland *1848–*

.2 **Netherlands**

01 Early history *–1477* 02 Austrian dominion *1477–1566* 03 Wars for independence *1566–1648* 04 Age of prosperity *1648–1795* 05 Revolutionary *1795–1830* 06 19th century *1830–1900* 07 20th century *1901–*

.3 **Belgium Luxemburg**

.4 **Switzerland**

01 Early history *–1300* 02 Struggle for independence *1300–1499* 03 Reformation *1499–1648* 04 Period of tranquillity *1648–1789* 05 Period of revolution *1789–1815* 06 19th century *1815–1900* 07 20th century *1901–*

.5 **Byzantine empire and modern Greece**

01 Greek revival 323–716
Constantine the great–Theodosius 3
02 Byzantine prosperity 716–1057
Leo 3–Michael 6
03 Byzantine decline 1057–1204
Isaac 1–Latin conquest of Constantinople
04 Greek survival 1204–1453
Constantinople taken by the Turks, 1453
05 Turkish power 1453–1821
06 Greek independence 1821–
07 Hellenic republic 1924–35 **Restoration** 1935–

.6 **Turkey in Europe Balkan states** .61 Constantinople

Also works including Turkey in Asia to 1920. For Turkey in Asia and general works on Turkey since 1920 see 956. If preferd all items on Turkey may be collected on either number

.7 **Jugoslavia: Serbia, Montenegro Bulgaria**

In addition to Serbia and Montenegro, Jugoslavia (Kingdom of the Serbs, Croats and Slovenes, establisht in 1918) includes Dalmatia (943.69), Slavonia (943.93), Croatia (943.94), Bosnia (943.955), Herzegovina (943.96) and Slovenia (943.67)

.8 **Rumania: Wallachia, Moldavia, Dobruja**

Includes also Bessarabia (947.7) added in Mar. 1918, Bukowina (943.75) Nov. 1918, and Transylvania (943.92) Dec. 1918

.9 **Ilands of Greek archipelago**

Divided like 939.1

950 Asia

951 China

Authorities differ widely in dates in early Chinese history and in spelling of proper names. In general, dates used below ar based on Herbert Allen Giles' *Chinesè-English Dictionary*, 2d ed., 1912, and spellings follow the standard postal directory and Mandarin standard spelling

Period divisions

.01 Early period –AD960

For Ancient history see 931. If preferd all works on history of China may be kept together here, using .0111–8 like 931.01–.08, e.g. 951.0112 Hsia dynasty (2205–1766 BC)

.012 Northern and Southern dynasties (treated together) 386–589

.013 Northern dynasties 386–589

2 Wei 386–557 5 Chi (Tsi) 550–589 8 Chou 557–589

.014 Southern dynasties 420–589

2 Sung 420–479 4 Chi (Tsi) 479–502 6 Liang 502–557 8 Chên 557–589

.015 Sui dynasty 589–618

.016 Tang dynasty 618–907

.017 Five Dynasties 907–960

2 Later Liang 907–923 4 Later Tang 923–936 6 Later Chin (Tsin) 936–947 8 Later Han 947–951 9 Later Chou 951–960

.018 Ten States 891–979

.02 Sung to Ming dynasties (China united) 960–1644

.022 Sung dynasty 960–1280

2 Northern Sung 960–1127 5 Southern Sung 1127–1280

.023 Liao (Khitan) and Western Liao dynasties 907–1168

.024 Chin (Tsin, Nü-Chên) dynasty 1115–1260

.025 Yuan or Mongol dynasty 1280–1368

.026 Ming dynasty 1368–1644

951.03 Ching or Manchu dynasty 1644–1912

.031 **Shun-chih 1644–62** .032 **Kang-hsi 1662–1723** .033 **Yung-chêng 1723–36** .034 **Chien-lung 1736–96** .035 **Chia-ching (Kia king) 1796–1821** .036 **Tao-kuang 1821–51** Opium war with England 1840–42

.037 **Hsien-fêng** 1851–62
Taiping rebellion 1850–64 War with England and France 1858–60

.038 **Tung-chih** 1862–75
Tientsin massacre 1870

.039 **Kwang-hsu** 1875–1909
Empress Dowager 1835–1908 War with France, los of Anam and Tonkin 1884–85 Sino-Japanese war 1894–95 Reform movement 1898 Boxer uprizing 1900

9 **Hsuan-tung** 1909–12
Revolution 1911–12

.04 Republic 1912–

.041 **Founding of Republic to Nationalist Revolution** 1912–27
Sun Yat-sen, provisional President, 1912–13; 2d revolution, 1913; Yuan Shih-kai, 1913–16, etc.

.042 **Nationalist Revolution and rule of Kuomintang** 1927–
Communist movement; Nationalist revolution and establishment of Nationalist government

5 Conflict with Japan Sino-Japanese war 1931–
Japanese invasion of Manchuria, 1931; invasion of Shanghai, 1932, etc. May be subdivided like 952.0315, e.g. 951.04252 Diplomatic history

Geografic divisions

.1 **Eastern China**

.11 Northeast China, North China; Hwangho or Yellow River valley

.12 Yellow Sea or northeast coast provinces: (Yunliangho or Grand Canal) .13 **Kiangsu** (Cities: *Tungchow, Soochow, Wusih, Chinkiang,* etc. Yangtze delta, Hwai River valley, Tai Hu or Great Lake): .132 *Shanghai* .135 *Nanking* .14 **Shantung** (Cities: *Weihaiwei, Chufou, Taian, Chefoo,* etc. Hwangho delta, Taishan mt): .144 Kiaochow, *Tsingtao* .146 *Tsinan* .15 **Hopei, Chihli (Pechihli)** (Cities: *Chinwangtao, Pehtaiho, Taming, Shihkiachwang, Paoting (Tsingyüan),* etc.): .154 *Tientsin* .156 *Peiping (Peking)*

.17 **Shansi** (*Tatung* city; mts: Hengshan and Wutaishan): .172 *Taiyuan (Yangkü)*

.18 **Honan** (Cities: *Anyang, Chenchow, Loyang,* etc. Sungshan mt): .182 *Kaifeng*

951.19 Central China

.2 Southeast China, South China: Yangtze River valley

.21 Hukoang, Lianghu: **.212 Hupei** (Cities: *Ichang*, *Shasi*, etc.): .213 Wuhan or Han cities (*Hankow*, *Wuchang*, *Hanyang*) **.215 Hunan** (Cities: *Yochow*, *Hengyang*, etc. Tungtinghu lake, Hengshan mt) .2152 *Changsha*

.22 Kiangnan, Nanchihli (Includes Kiangsu 951.13): **.222 Kiangsi** (Cities: *Kiukiang*, *Kuling*, etc. Poyanghu lake, Lushan mt): .2225 *Nanchang* **.225 Anhwei, Nganhwei** (*Wuhu* city; Hungtseh lake, Hwangshan mt) .2252 *Anking* (*Nganking*, *Huaining*)

.23 China Sea or southeast coast provinces

.24 **Minche; East China Sea provinces:** .242 Chekiang (Cities: *Huchow*, *Kiahsing*, *Shaohsing*, *Ningpo*, etc.; mts: Mokanshan and Tienmoshan) .2425 *Hangchow* city and bay (Sihu or West Lake) .245 Fukien (Cities: *Chuanchow*, *Amoy*, *Kulangsu*, etc.) .2452 *Foochow* (*Minhow*) .2455 *Changchowfu* .249 Formosa, Taiwan May be divided like 952.9, which see for works on Taiwan 1895– . If preferd all material on Taiwan may be kept together under either number

.25 **Hongkong, Kowloon** **.26 Macao**

.27 **Kwangtung; South China Sea region** (Cities: *Swatow*, *Chungshan*, *Kwangchowan*, etc. Chukiang, Canton or Pearl River): .275 *Canton* (*Kwangchowfu*) .278 Hainan (island) *Kiungchow*

.28 Kwangsi; Si-Kiang or West River valley; Cities: *Wuchow*, *Kweilin*, *Nanning* (*Yungning*), etc.

.3 Western China

.32 Southwest China

.33 Yunkwei: **.34 Kweichow:** .345 *Kweiyang* **.35 Yunnan** (Cities: *Mengtsz*, *Tali*, etc.): .355 *Kunming* (*Yunnanfu*)

.37 **Sikang** (Cities: *Kangting* (*Tachienlu*, *Tatsienlu*), *Paan* (*Patang*), etc. Minya Konka or Bokonka mt) **.38 Szechwan** (*Wanhsien* city; Omeishan mt): .382 *Chungking* .385 *Chengtu*

951.4 Northwest China

.41 Great wall .43 **Shensi** (Cities: *Nancheng* (*Hanchung*), *Tungkwan*, etc. Hwashan mt): .435 *Sian* (*Singan*, *Siking*) .45 **Kansu** (*Tunwhang*, etc.): .455 *Lanchow* .47 **Chinghai (Tsinghai), Kokonor** (Use as general number for Near Tibet which includes also Sikang 951.37): .472 *Sining*

.5 **Tibet (Thibet), Sitsang** .52 *Lhasa* (*Lassa*)

.6 **East or Chinese Turkestan Sinkiang**

Chinese Central Asia (for Central Asia in general see 958) Cities: *Hotien* (*Khotan*), *Yarkand*, *Kashgar* (*Shufu*), *Hami*, *Tihwa* (*Urumchi*, *Urumtsi*), etc. Mts: Tienshan (Tianshan, Thianshan), Kunlun (Kuenlun), etc. Deserts: Dzungaria (Zungaria), Takla Makan

.7 **Mongolia**

.71 Tannu Tuva *Kizilkhoto* (*Krasny*)

.73 Outer Mongolia (Republic of Mongolia): .735 *Urga* (*Kulun*, *Ulan Bator Khoto*) .739 Gobi or Shamo desert

.74 Inner or Chinese Mongolia: .75 **Ninghsia (Ningsia)** .76 **Suiyuan** (Cities: *Kweisui* (*Kweihwa-Suiyuan*), *Paotow*, etc.) .77 **Chahar** (Cities: *Changpeh*, *Kalgan*, *Wanchuan*, etc.) .78 **Jehol** (*Chengteh* city)

.8 **Manchuria (Manchow) Manchukuo**

Three Eastern (or northeastern) provinces. Manchukuo includes Jehol 951.78

.82 Liaoning, Fengtien, Shengking: .822 **Liaotung peninsula, Kwantung (Kwang-tung, Kwanto)** (Cities: *Dairen* (*Dalny*, *Talienwan*), *Port Arthur* (*Lüshunkow*, *Ryojunko*), etc. .824 *Shenyang* (*Mukden*) .84 **Heilungkiang, Amur: Khingan** (Cities: *Manchouli* (*Lüpin*), *Lungkiang* (*Tsitsihar*), etc. Amur or Heilungkiang River valley) .88 **Kirin** (Cities: *Habrin* (*Pinkiang*), *Changchun* (*Hsinking*), *Yungki* (*Kirin*), etc.)

.9 **Chosen, Korea (Corea)** .95 *Seoul* (*Keijo*)

952 Japan Nippon

For Chosen see 951.9

Period divisions

Dates given by different authors vary greatly but generally dates found in the history publisht by order of Japanese Department of Education hav been uzed, as being those officially fixt. In some cases these dates hav obviously been extended to make the series continuous, e.g. an emperor's rule is given as extending beyond date of his deth

.01 Erly period –1186 A D

.011 Mythologic period –660 B C

.012 Prehistoric (or legendary) period 660 B C–400 A D

1 Jimmu *660–585 B C* 2 Suizei *581–549* 21 Annei *548–510* 22 Itoku *510–475* 23 Kosho *475–392* 24 Koan *392–290* 25 Korei *290–214* 26 Kogen *214–157* 27 Kaikwa *157–97* 3 Sujin *97–29* 4 Suinin *29 B C–71 A D* 5 Keiko *71–131* 6 Seimu *131–192* 7 Chuai *192–200*, Jingu, Empress, *200–270* (died *269*) 8 Ojin *270–313* (died *310*) 9 Nintoku *313–400*

.013 Erly historic period 400–645

1 Richu *400–405* 15 Hansho *405–11* 2 Inkyo *411–53* 25 Anko *453–56* 3 Yuryaku *456–80* 35 Seinei *480–85* 4 Kenso *485–88* 45 Ninken *488–99* 5 Buretsu *499–507* 53 Keitai *507–34* (died *531*) 55 Ankan *534–36* 57 Senkwa *536–40* 6 Kimmei *540–72* 63 Bidatsu *572–86* 65 Yomei *586–88* 67 Sushun *588–91* 7 Suiko, Empress, *591–629* 8 Jomei *629–42* 9 Kokyoku, Empress, *642–45* See also 952.0142

.014 Taikwa reform 645–708

1 Kotoku *645–55* 2 Saimei, Empress (Kokyoku restored) *655–61* See also 952.0139 3 Interregnum *661–68* 4 Tenji *668–72* 5 Kobun *672–73* 6 Temmu *673–86* 7 Interregnum *686–90* 8 Jito, Empress, *690–97* 9 Mommu *697–708*

.015 Nara period 708–94

1 Gemmyo, Empress, *708–15* 2 Gensho, Empress, *715–24* 3 Shomu *724–49* 4 Koken, Empress, *749–59* See also 952.0156 5 Junnin *759–65* 6 Shotoku, Empress (Koken restored) *765–70* See also 952.0154 7 Konin *770–82*

952.016 **Heian period** 794–1186

1 **Erly Heian** *794–856:* 11 Kwammu *782–806* 12 Heizei *806–10* 13 Saga *810–24* 14 Junna *824–34* 15 Nimmyo *834–51* 16 Montoku *851–56*

2 **Fujiwara period** *856–1069:* 21 Seiwa *856–77* 215 Yozei *877–85* 217 Koko *885–93* 22 Uda *893–98* 23 Daigo *898–931* 235 Shujaku *931–47* 24 Murakami *947–68* 245 Reizei *968–70* 25 Enyu *970–85* 255 Kwazan *985–87* 26 Ichijo *987–1012* 265 Sanjo *1012–17* 27 Go-Ichijo *1017–37* 28 Go-Shujaku *1037–46* 29 Go-Reizei *1046–69*

3 **Taira period** *1069–1186:* 31 Go-Sanjo *1069–73* 32 Shirakawa *1073–87* 33 Horikawa *1087–1109* 34 Toba *1109–24* 35 Sutoku *1124–42* 36 Konoe *1142–56* 37 Go-Shirakawa *1156–59* 38 Gem-pei wars *1159–86* 382 Nijo *1159–66* 384 Rokujo *1166–69* 386 Takakura *1169–80* 388 Antoku *1180–86* (died *1185*)

.02 Feudal ages Shoguns 1186–1868

Clas special topics according to dates given for emperors. Names and dates of shoguns and regents ar given merely to guide in classing material relating to these individuals

.021 **Kamakura period** 1186–1333

1 **Minamoto shoguns** *1192–1219:* 11 Go-Toba *1186–99;* shogun, Yoritomo *1192–99* 12 Tsuchimikado *1199–1211;* shoguns: Yoriie *1199–1203*, Sanetomo *1203–19*

2 **Hojo regents** *1205–1333:* 21 Juntoku *1211–22;* regents: Tokimasa *1199–1205*, Yoshitoki *1205–24* 215 Chukyo *1222* 22 Go-Horikawa *1222–33;* shogun, Fujiwara Yoritsune *1219–44;* regent, Yasutoki *1225–42* 225 Shijo *1233–43* 23 Go-Saga *1243–47;* regent, Tsunetoki *1243–46* 24 Go-Fukakusa *1247–66;* shoguns: Fujiwara Yoritsugu *1244–52*, Prince Munetaka *1252–66;* regent, Tokiyori *1246–56* 25 Kameyama *1266–76;* shogun, Prince Koreyasu *1266–89;* regent, Tokimune *1256–84* 255 Go-Uda *1276–88* 26 Fushimi *1288–99;* shogun, Prince Hisaakira *1289–1308;* regent, Sadatoki *1284–1300* 265 Go-Fushimi *1299–1301* 27 Go-Nijo *1301–08;* regent, Morotoki *1300–11* 28 Hanazono *1308–19;* shogun, Prince Morikuni *1308–33* 29 Go-Daigo *1319–39;* shoguns: Prince Moriyoshi *1333–34*, Prince Nariyoshi *1334–38;* regent, Takatoki *1312–33*

.022 **Imperial restoration period** 1333–93

See also 952.02129

1 **Southern dynasty (Yoshino):** 2 Go-Murakami *1339–68* 3 Chokei *1368–70* 4 Go-Kameyama *1370–93*

5 **Northern dynasty (Kyoto):** 6 Kogon *1332–36* 7 Komyo *1336–49;* shogun, Ashikaga Takauji *1335–58* 75 Suko *1349–52* 8 Go-Kogon *1352–72;* shogun, Ashikaga Yoshiakira *1358–67* 9 Go-Enyu *1372–83;* shogun, Ashikaga Yoshimitzu *1367–94* 95 Go-Komatsu *1383–93*

See also 952.0231

952.023 **Muromachi period** 1393–1573

Ashikaga shoguns. See also 952.0227–95

1 Go-Komatsu *1393–1413* 2 Shoko *1413–29;* shoguns: Yoshimochi *1394–1423, 1425–28;* Yoshikazu *1423–25* 3 Go-Hanazono *1429–65;* shoguns: Yoshinori *1428–41,* Yoshikatsu *1441–49,* Yoshimasa *1449–73* 4 Go-Tsuchimikado *1465–1501;* shoguns: Yoshihisa *1473–89,* Yoshimura *1489–93, 1508–21,* Yoshizumi *1493–1508* 5 Go-Kashiwabara *1501–27* 6 Go-Nara *1527–58;* shoguns: Yoshiharu *1521–45,* Yoshiteru *1545–65* 7 Ogimachi *1558–87;* shoguns: Yoshinaga *1565–68,* Yoshiaki *1568–73*

.024 **Interregnum of shoguns: Military dictatorship Emperor Go-Yozei 1587–1612** 1573–1603

Military dictators: 1 Oda Nobunaga *1573–82* 2 Toyotomi Hideyoshi *1583–98* (Momoyama period) 3 Hideyori *1598–1600*

.025 **Edo period Tokugawa shoguns** 1603–1868

1 **Foundation** *1603–51:* For reign of Emperor Go-Yozei, 1587–1612, see 952.024 11 Go-Minoo *1612–30;* shoguns: Ieyasu *1603–5,* Hidetada *1605–24* 12 Myosho, Empress, *1630–44;* shogun, Iemitsu *1624–51* 13 Go-Komyo *1644–55*

2 **Decline** *1651–1837:* 21 Go-Saiin *1655–63* 22 Reigen *1663–87;* shogun, Ietsuna *1651–80* 23 Higashiyama *1687–1710;* shogun, Tsunayoshi *1680–1709* 24 Nakamikado *1710–36;* shoguns: Ienobu *1709–13,* Ietsugu *1713–16,* Yoshimune *1716–45* 25 Sakuramachi *1736–47* 26 Momozono *1747–63;* shogun, Ieshige *1745–61* 27 Go-Sakuramachi *1763–71;* shogun, Ieharu *1761–87* 28 Go-Momozono *1771–80* 29 Kokaku *1780–1817;* shogun, Ienari *1787–1837*

3 **Fall** *1837–68:* 31 Ninko *1817–47;* shogun, Ieyoshi *1837–54* 32 Komei *1847–67;* shoguns: Iesada *1854–57,* Iemochi *1857–66,* Yoshinobu *1866–68.* Visits of Commodore M. C. Perry *1853–54.* Treaty with United States of America *1854*

952.03 Imperial power reestablisht 1868–

.031 **Meiji period Emperor Mutsuhito (1867–1912) 1868–1912**

3 **Satsuma revolt 1877**

5 **Chino-Japanese war 1894–95**

51 Political history: causes, results

511 Causes

514 Results: terms of peace

515 Relations of special classes to the war

52 Diplomatic history

53 Special campains and battles

54 General military history

55 Naval history

56 Celebrations Anniversaries Commemorations

565 Monuments, memorials etc

567 Rolls of honor Lists of ded

57 Prisons Hospitals Charities

May, if needed, be further subdivided like 940.47

58 Personal narrativs Secret servis Spies

When relating to some special battle or other event clas according to subject

585 Secret servis Spies

59 Illustrativ material

Subdivided like 973.39. For special collections; but most material should be clast with the literature to which it belongs, with the form divisions, poetry, drama etc or with pictures or music

8 **Russo-Japanese war 1904–5**

Subdivided like 952.0315

.032 **Taisho period Emperor Yoshihito 1912–26**

3–4 World war 1914–19

Better clast in 940.3–.4 but if kept here may be subdivided so far as needed like 940.3–.4

.033 **Showa period Emperor Hirohito 1926–**

Geografic divisions

952.1 Hondo Honshu

.11 North Hondo Ou Tosando

Tosando includes also Shimotsuke (952.1381), Kozuke (952.1385), Mino (952.1611), Hida (952.1615), Shinano (952.163), Omi (952.181)

.111 Oshu Includes also Iwashiro (952.1181) and Iwaki (952.1185)

.112 Aomori, Mutsu .113 Iwate, Rikuchu .114 Miyagi, Rikuzen .115 Ushu, Dewa .116 Akita, Ugo .117 Yamagata, Uzen .118 Fukushima .1181 Iwashiro .1185 Iwaki

.12 Central Hondo

.13 Kwanto Kanto Tokaido

Tokaido includes also Kai (952.165), Suruga (952.1661), Izu (952.1665), Totomi (952.1667), Mikawa (952.1681), Owari (952.1686), Iga (952.1821), Ise (952.1823), Shima (952.1827)

.131 Ibaraki, Hitachi .132 Chiba .1321 Soshu .1323 Shimosa .1325 Kazusa .1327 Awa .133 Kanagawa, Sagami .1331 *Yokohama* .135 Tokyo For Ogasawara see 952.85 .1351 *Tokyo* (city) .1357 Izu-no-shichito .137 Saitama, Musashi .138 Ryomo .1381 Tochigi, Shimotsuke .1385 Gumma, Kozuke

.14 Chubu

.15 **Hokurokudo**

.151 Niigata .1511 Echigo .1517 Sado .153 Toyama, Etchu .155 Ishikawa .1551 Noto .1555 Kaga .157 Fukui .1571 Echizen .1576 Wakasa

.16 **Kwansei**

.161 Gifu .1611 Mino .1615 Hida .163 Nagano, Shinano .165 Yamanashi, Kai .166 Shizuoka .1661 Suruga .1663 **Fujisan** .1665 Izu .1667 Totomi .168 Aichi .1681 Mikawa .1686 Owari .1687 *Nagoya*

.17 Southwest Hondo

.18 Kinki

.181 Shiga, Omi .1815 **Lake Biwa** .182 Mie .1821 Iga .1823 Ise .1827 Shima .183 Wakayama, Kii

.185 **Gokinai**

Includes also Yamashiro (952.1911)

.186 Nara, Yamato .188 Osaka .1881 Kawachi .1884 Izumi .1887 Settsu .1888 *Osaka* (city)

.19 Chugoku

.191 Kyoto .1911 Yamashiro .1912 *Kyoto* (city) .1914 Tanshu Includes also Tajima (952.1932) .1915 Tamba .1918 Tango .193 Hyogo .1931 *Kobe* .1932 Tajima .1935 Harima .1938 Awaji .194 Okayama .1941 Bishu, Kibi Includes also Bingo (952.1971) 1942 Bizen .1944 Bitchu .1947 Mimasaka .195 Tottori .1951 Inaba .1955 Hoki .196 Shimane .1961 Izumo .1964 Oki .1966 Iwami .197 Hiroshima .1971 Bingo .1975 Aki .198 Yamaguchi .1981 Suo .1985 Nagato .199 **Seto-nai-kai** Inland sea

952.2 **Kyushu Saikaido**

For Okinawa see 952.81

.21 Nagasaki .211 Tsushima .213 Iki .214 Goto .216 *Nagasaki* (city) .22 Hishu .221 Saga, Hizen .225 Kumamoto, Higo .24 Fukuoka .241 Chikugo .245 Chikuzen .25 Oita .251 Buzen .255 Bungo .27 Miyazaki, Hyuga .29 Kagoshima .291 Osumi .295 Satsuma

.3 **Shikoku Nankaido**

Nankaido includes also Kii (952.183) and Awaji (952.1938)

.31 Kochi, Tosa .34 Tokushima, Awa .36 Kagawa, Sanuki .38 Ehime, Iyo

.4 **Hokkaido Yezo**

For Karafuto see 952.6, for Chishima see 952.7

.41 Oshima .411 Hakodate .415 Hiyama .42 Shiribeshi .421 *Otaru* .43 Iburi, Muroran .44 Hidaka, Urakawa .45 Ishikari .451 Sapporo .455 Sorachi .46 Tokachi, Kasai .47 Kushiro .475 Nemuro .48 Kitami .481 Abashiri .485 Soya .49 Teshio .491 Kamikawa .495 Rumoe

.6 **Karafuto Japanese Saghalien**

For Russian Saghalien see 957. Uze 957 for general works on Saghalien

.7 **Chishima Kuril ilands**

.8 **Southern ilands**

.81 Ryukyu Liuchiu Okinawa

.85 Ogasawara Bonin ilands

.9 Taiwan Formosa

951.2 may be uzed as general number, also for works on Taiwan before 1895, or, if preferd, all material on Taiwan may be kept together on either number

.91 Taihoku .915 Giran .92 Karenko .94 Taito .947 Botel Tobago ilands, Koto Sho .95 Takao .955 Ako .97 Tainan .975 Kagi .978 Boko, Pescadores .98 Taichu .985 Nanto .99 Shinchiku .995 Toen

953 Arabia

.1 Sinai .2 Hejaz, Mecca .3 Yemen .4 Hadramaut, Mahrah .5 Oman .6 Hasa .7 Dahna .8 Nejd .9 Syrian desert

954 India

.1 Bengal, Orissa, Assam, Bhotan .2 Northwest provinces, Oudh, Nepal .3 Central provinces .4 Rajputana .5 Punjab, Delhi, Lahore .6 Kashmir .7 Bombay, Sind, Baroda .8 Madras, Mysore, Travancore, Ceylon .9 Hyderabad

955 Iran (Persia)

956 Turkey in Asia

Use as general number for Turkey 1920– For Turkey in Europe and general works on Turkey before 1920 see 949.6

.1 Khodavendigar .2 Aidin, Smyrna .3 Kastamuni, Angora .4 Konieh, Adana, Cyprus .5 Trebizond, Sivas .6 Armenia and Kurdistan: Erzerum; Mamuret el Aziz, Karput; Diarbekr; Bitlis; Van .7 Mesopotamia: Mosûl; Bagdad; Basra .8 Aleppo .9 Syria, Damascus, Phenicia, Palestine

957 Siberia

958 Afghanistan Turkestan Baluchistan

.1 N. E. Afghanistan, Kabul .2 South Afghanistan, Kandahar .3 N. W. Afghanistan, Herat .4 Turkestan .5 Kiva .6 Bokhara .7 Ferghana or Khokan .8 Baluchistan

959 Farther India

.1 British Burma .2 Burma .3 Thailand (Siam) .4 Laos .5 Lower Siam, Malay peninsula .6 Cambodia .7 French Cochin China .8 Anam .9 Tonkin

960 Africa

SUMMARY

961 North Africa
962 Egypt
963 Abyssinia
964 Morocco
965 Algeria
966 North Central Africa
967 South Central Africa
968 South Africa
969 Madagascar and outlying ilands

961 North Africa

Barbary, i.e. Morocco, Algeria, Tunis, Tripoli

.1 **Tunis** 50,000 sq. mi.

French protectorate 1881

.2 **Tripoli** **Libia Italiana** 406,000 sq. mi.

Annext to Italy 1911

Tripolitania

Oasis of Ghadames, Syrtis

.3 Fezzan 156,000 sq. mi.

Oases of Ghat and Murzuk

.4 Cyrenaica or Barka Bengazi

.9 Libyan desert

Eastern 3d belongs to Egypt

962 Egypt

Egypt proper, including Libyan desert and Sinai peninsula but excluding Sudan, 350,000 sq. mi. Cultivated and settled area, Nile valley and delta, 12,226 sq. mi.

.1 **Lower Egypt** **Masr-el-Bahri** **Delta**

Extends beyond Cairo, about 30° N.

.11 Beheira: Alexandria .12 Gharbîya .13 Daqahlîya: Damietta .14 Menûfîya .15 Sharqîya: Port Said, Ismaila, Suez .16 Qalyûbîya: Cairo, Heliopolis

.2 **Middle Egypt** **el-Wustani** **Vostani**

Extends from Cairo, 30° N., to Assiut, about 27° N.

.21 Gîza: Gizeh, Memphis .23 Faiyûm .25 Beni-Suêf .26 Minya .28 Asyût: Assiut

.3 **Upper Egypt** **es-Said**

Extends from Assiut, 27° N., nearly to Wadi Halfa, 22° N.

.31 Girga .33 Qena: Dendera, Luxor, Karnak, Thebes .36 Aswân: Assuan, Elephantine, First Cataract, Philae

962.4 **Anglo-Egyptian Sudan** 1,014,400 sq. mi.
Extends from 22° to about 5° N. 15 provinces

.41 Nubia Northern provinces
In a broad sense, no strictly defined limits; may be taken to include Nile valley from Assuan, 24° N., to Khartum, 16° N. Here used in more limited sense, including provinces of Halfa, Red Sea and Berber, also 962.5 Dongola

.5 Dongola

.6 Central provinces
Khartum, White Nile, Blue Nile

.7 West provinces
Including Darfur, under nativ rule

.8 Kordofan Nuba mts

.9 East and south provinces
Kassala, Sennar, Upper Nile (formerly Fashoda), Bahr-el-Ghazal, Mongalla (including Lado enclave), Sobat-Pibor

963 Abyssinia Ethiopia 350,000 sq. mi.
Tigre, Amhara, Shoa

.5 **Eritrea** 45,800 sq. mi.
Massaua or Massawah, Assab

964 Morocco French protectorate 231,500 sq. mi.

.1

.2 **Spanish Morocco The Rif**
Cities: Tangier, Ceuta, Tetuan

.3 **Fez and the northwest coast**
Region west of Atlas mts and south to Wâdy Oum-er-Rabia
Cities: Fez, Rabat, Casablanca

.4 **Central region**
Atlas mts: Middle Atlas, Great Atlas, Anti-Atlas

.5 **Southeast region**
Beyond the Atlas mts

.6 **Morocco and southwest coast Marakesh**
Region south of Wâdy Oum-er-Rabia
Cities: Morocco, Mogador, Agadir

.7

.8 **Rio de Oro Adrar Ifni (Spanish)**

.9 **Canary iles (Spanish)**
Geograficly better here than in 946.8
.91 Tenerif .92 Grand Canary .93 Palma .94 Gomera
.95 Hierro or Ferro .96 Fuerteventura .97 Lanzarote

965 Algeria (French) 222,180 sq. mi.
Northern Algeria includes the 3 departments, Oran, Alger, Constantine

.1 **Oran**

.3 **Alger**

.5 **Constantine**

.7 **Southern Algeria**
4 territories: Ain Sefra, Ghardaia, Touggourt, Saharan oases (Tuat, Gurara, Tidikelt)

966 North Central Africa European West Africa

SUMMARY

.1 French West Africa Sahara
.2 Sudan
.3 Senegambia Senegal
.4 Sierra Leone
.5 Upper Guinea
.6 Liberia Ivory Coast
.7 Gold Coast Ashanti
.8 Dahomey Togoland
.9 Nigeria

.1 French West Africa Sahara

French West Africa includes colonies: 966.12 Mauritania, 966.2 French Sudan, 966.25 Upper Volta Colony, 966.26 Military Territory of Niger, 966.3 Senegal, 966.52 French Guinea, 966.68 Ivory Coast, 966.8 Dahomey

.11 Sahara (French)

In broad sense all northern Africa from Atlas mts to the Sudan, about 3,500,000 sq. mi. This includes parts of Morocco, Algeria, Tunis and Egypt. French Sahara is estimated at about 1,500,000 sq. mi.

.12 Mauritania 344,967 sq. mi.

.15 El Hodh

.17 Azaouad

.2 Sudan (French) Upper Senegal-Niger 617,600 sq. mi.

.21 River Niger

.22 Northwest region

Kaarta, Bakhunu, Sahel

.23 Southwest region

Segu, Kenedugu, Bembas State

.24 Central region

Massina, Timbuktu, Lakes

.25 Upper Volta 154,400 sq. mi.

Mossi, Gurma

.26 Military Territory of Niger 347,400 sq. mi.

.27 Southwest region

Cheggazar, Immanang

.28 North region

Air or Asben

.3 Senegambia Senegal (French) 74,112 sq. mi.

Senegambia, region between rivers Senegal and Gambia and sometimes including French Guinea; name now disused. Senegal now used for northern portion, including Casamance basin; includes both colony and protectorate

.31 North coast region

Walo, St Louis

.32 Central coast region

Cayor, Baol, Sine, Salum, Cape Verde, Dakar, Rufisque, Gorée

.33

.34 South coast

Basin of the Casamance

.35 Central region

Jolof, Ferlo

.36 Northeast region

Fouta, Bondu

.37 Southeast region

Bambuk, River Falemé

966.4 **Sierra Leone, colony and protectorate (British)** 31,000 sq. mi.

.41 Sierra Leone colony 4000 sq. mi.

North section, north of Sherbro iland Freetown

.42 South section Sherbro iland Turner's peninsula

.43 Protectorate

.44 Karene

.45 Koinadugu

.46 Ronietta

.47 Railway

.48 Southern Sherbro

.5 **Upper Guinea**

Part north of Gulf of Guinea is known as Upper Guinea; includes broadly: 966.3 Senegal, 966.4 Sierra Leone, 966.5 English, French and Portuguese Guinea, 966.6 Liberia, Ivory Coast, 966.7 Gold Coast, 966.8 Dahomey, Togoland, 966.9 Nigeria

.51 Gambia English Guinea 4130 sq. mi.

.52 French Guinea 95,218 sq. mi.

.53 Coast region Rivières du Sud Konakry

.54 Central region Fouta Jallon

Timbo, Labé, Tuba

.55 Northeast region Sankaran

Dinguiray, Siguiri, Kurussa, Kankan

.56 South region

Kissidugu, Beyla, Bissandugu

.57 Portuguese Guinea 13,940 sq. mi.

.579 Bissagos ilands

.58 Cape Verde ilands

.6 **Liberia** 40,000 sq. mi. **Grain Coast**

Grain Coast divided between Liberia and 966.4 Sierra Leone

.61 Montserrado

Gondo, Toma, Bouzie, Barlin

.62 Coast region Robertsport, Monrovia

.63 Grand Bassa Gurra, Sapo

.64

.65 Sino Wau, Kru coast

.66

.67 Maryland Cape Palmas

.68 **Ivory Coast (French)** 121,976 sq. mi.

.681 Coast region Grand Bassam, Assinie, Bingerville

.683 Central region Baule, Bakwe

.685 Northwest hinterland

.687 Northeast hinterland Ganne, Kong

966.7 **Gold Coast (British)** 80,000 sq. mi.
Areas do not include parts of Togoland assigned by treaty to Great Britain

.71 Gold Coast colony proper 24,200 sq. mi.

.72 Western province Central province

.73 Eastern province

.74 Ashanti 20,000 sq. mi.

.75 Southern province Central province Coomassie

.76 Western province Northern province

.77 Northern territories 35,800 sq. mi.

.78 Southern province
Kintampo district, Gonga district, Salaga

.79 Northwestern province Black Volta district Wa
Northeastern province White Volta district Gambaga

.8 **Dahomey (French)** 42,460 sq. mi.

.81 Togoland
Former German possession now divided between 966.7 Gold Coast (British) and Dahomey

.82 Lower Dahomey

.83 Coast region Slave Coast
Grand Popo, Kotonu, Porto-Novo

.86 Upper Dahomey

.87 Borgu

.9 **Nigeria (British)** 332,000 sq. mi.

.91 Southern Nigeria

.92 Western province Yoruba Lagos protectorate
The colony, Abeokuta, Ijebu, Oyo, Ondo

.93 Central province
Benin, Onitsha, Warri, Niger delta, Oil Rivers

.94 Eastern province
Owerri, Ogoja, Kamerun South

.95 Northern Nigeria

.96 West region
Sokoto, Kontagora, Borgu, Nupe, Niger, Ilorin, Kabba

.97 Central region
Kano, Zaria, Nassawara, Munshi, Bassa

.98 East region
Bornu, Bauchi, Yola, Muri, Kamerun North

.99 Ilands of the Gulf of Guinea

.991 Fernando Po (Spanish)

.993 Principe Prince's iland (Portuguese)

.994 São Thomé St Thomas (Portuguese)

.996 Annobon (Spanish)

967 South Central Africa

SUMMARY

.1 Lower Guinea Kamerun
.2 French Equatorial Africa French Kongo Loango
.3 Angola Portuguese West Africa
.4 Interior Ubangi-Shari Chad
.5 Belgian Kongo
.6 British East Africa
.7 Somaliland
.8 Zanzibar Tanganyika territory
.9 Mozambique Portuguese East Africa

.1 Lower Guinea

Southern or Lower Guinea comprizes coasts of 967.21 Gabun, 967.3 Angola, and may include coast of Kamerun, which occupies a middle position between Upper and Lower Guinea

.11 Kamerun [Cameroon] (French) 166,489 sq. mi.

General number for former German Kamerun, larger portion of which was assignd to France

.12 Coast region Jang, Yabasi, Duala, Edea, Kribi
.13 Southwest region Ebolowa, Wolo Ntem, Ivindo
.14 Southeast region Lomie, Yukaduma
.15 Central region Bamun, Yaunde, Dume
.16 Adamawa Banyo, Ngaundere
.17 Garua Upper Logone

.18 Spanish Guinea Rio Muni

.19 Spanish ilands

Alternativ place for Fernando Po see 966.991, and Annobon see 966.996

.2 French Equatorial Africa French Kongo Loango

French Equatorial Africa includes 967.11 Kamerun, and 967.4 Ubangi-Shar and Chad Military Territory

.21 Gabun 121,862 sq. mi.

.22 Coast region Libreville
.23 East region Franceville, Lastourville

.24 Middle Kongo 150,292 sq. mi.

.25 West region
Loango, Bakunyi, Bwenza

.26 South central region
Bacongo, Bjwe, Pool (Brazzaville), Bateke, Alima, Kwiyu

.27 North central region
Mossaka, Bakota, Bokiba, Lower Sanga, Likwala

.28 North region
Benga Motaba, Middle Sanga, Upper Sanga

967.3 **Angola Portuguese West Africa** 484.800 sq. mi.
.31 Kongo Kabinda
.32 Loanda Shinga's country
Guanza-Norte, Guanza-Sul
.33 Benguela
.34
.35 Mossamedes
.36 Lunda
.37 Huila Gambos, Kamba, Mulondo
.38 Cubango
.39 Portuguese ilands
Alternativ place for Principe see 966.993, and São Thomé see 966.994
.4 **Interior**
.41 Ubangi-Shari (French) 208,219 sq. mi.
.42 East region Banda
.43 Chad Military Territory (French) 501,676 sq. mi.
.44 Southwest region Bagirmi
.45 Southeast region Wadai
.46 Central region Lake Chad Kanem
.47 Northeast region Borku
.48 Northwest region Teda or Tibba
.49 North region Tibesti or Tu
.5 **Belgian Kongo Free State Kongo basin** 909,654 sq. mi.
.51 Kongo-Kasai province
Lower Kongo Boma Bakongo Middle Kongo Leopoldville
.52 Kwango Kasai Sankuru
.53 Equator province
Lake Leopold II, Equator
.54 Lulonga Bangala Ubangi
.55 Eastern province
Lower Uele, Upper Uele, Ituri, Stanleyville
.56 Aruwimi Lowa Uregga Maniema Kasongo
.57 Kivu Ruanda Urundi
.58 Katanga province
Lomami, Tanganyika-Moero, Urua
.59 Lulua Upper Luapula

967.6 **British East Africa Kenya colony and protectorate**

British East Africa includes 967.61 Uganda protectorate, 967.62–.69 Kenya colony and protectorate, 967.81 Zanzibar, 967.82–.89 Tanganyika territory. Clas here general works on whole of British East Africa and those on Kenya colony and protectorate alone

.61 Uganda protectorate 110,300 sq. mi.

.611 Buganda province
Masaka, Mubendi, Mengo, Entebbe, including ilands in Victoria Nyansa

.612 Victoria Nyanza

.613 Western province
Kigezi, Ankoli, Toro

.614 Albert Nyanza

.615 Eastern province
Busoga, Bukedi, Teso, Lango, Lobor, Karamojo

.616 Northern province
Bunyoro, West Nile, Gulu, Chua

.617 Rudolf province
Turkwel, Turkana, Dabossa

.618 Lake Rudolf

.62–.69 Kenya colony and protectorate 246,822 sq. mi.

.62 Nyanza province
North Kavirondo, Nandi, Kusumu, South Kavirondo, Lumbwa

.63 Naivasha province
Southern Masai Reserve, Naivasha (district), Laikipia, Eldama Ravine, Uasin Gishu, Turkana

.64 Kenya province
Nyeri, Meru, Embu, Fort Hall

.65 Ukamba province
Kitui, Kikuyu, Machakos

.66 Seyidie province
Teita, Vanga, Mombasa, Malindi

.67 Tanaland province
Tana River, Lamu

.68 Jubaland province
Afmadu, Kismayu, Serenli

.69 Northern Frontier District
Not yet organized as a province

.7 **Somaliland**

.71 French Somali Coast French East Africa 5790 sq. mi.
Obok, Tajura, Jibuti

.72 British Somaliland protectorate 68,000 sq. mi.

.728 Sokotra iland 1382 sq. mi.

.73 Italian Somaliland 139,430 sq. mi.

.74 Sultanate of the Mijertins

.75 Territory of the Nogal

.76 Sultanate of Obbia

.77 Southern Italian Somaliland (formerly cald Benadir)
Medio Shebeli, Basso Shebeli, Alto Shebeli, Alto Iuba

967.8 **Zanzibar Tanganyika territory**

.81 Zanzibar 640 sq. mi.

.815 Pemba 380 sq. mi.

.816 Mafia

.82–.89 Tanganyika territory 365,000 sq. mi.
Formerly German East Africa

.82 North coast
Tanga, Wilhelmstal, Pangani

.83 Central coast
Bagamoyo, Morogoro, Dar es Salaam

.84 South coast
Rufiji, Kilwa, Lindi

.85 South or Lake Nyasa region
Songea, Mahenge, Langenburg

.86 South central region
Iringa, Dodoma

.87 North central region
Kondoa-Irangi, Moshi, Arusha

.88 Lake Victoria region
Mwanza, Bukoba

.89 West or Lake Tanganyika region
Tabora, Ujiji, Bismarckburg

.9 **Mozambique Portuguese East Africa** 428,132 sq. mi.

.91 Nyasa company Companhia do Nyasa Cabo Delgado Querimba

.92

.93 Mozambique (district)

.94 Quilimane or Kilimane Zambezi delta

.95

.96 Tete Zambezi basin

.97 Mozambique company Companhia do Moçambique
Gazaland, Sofala, Manika

.98 Inhambane Hlengaland

.99 Lourenço Marques Delagoa Bay

968 South Africa

General number for Union of South Africa 1909, which includes nearly all area in 968.2–.8, with total area of 473,096 sq. mi.

SUMMARY

.1 Bechuanaland protectorate
.2 Transvaal
.3 Zululand Swaziland Amatonga
.4 Natal
.5 Orange Free State
.6 Basutoland Kaffraria
.7 Cape of Good Hope
.8 Southwest Africa protectorate
.9 Rhodesia Nyasaland protectorate

.1 Bechuanaland protectorate 275,000 sq. mi.

Clas here general works on Bechuanaland, including (with the Protectorate) British Bechuanaland 968.785

.11 Northwest region West Bamangwato

Use also as general number for Bamangwato tribe, which includes 968.11–.14 Ongova, Okavango, Bangai, Batawana

.12 Northeast region East Bamangwato Bashona, Batletli

.13 North section Madenassa

.14 South section Khama's country

.15 Linchwe's country Bakatla tribe

.16 Sebele's country Bakwena tribe

Masarwa, Makalahari

.17 Bathoen's country Bangwaketse tribe

.18 Montsioa's country Barolong tribe

.19 Southwest and west region Kalahari desert

Kalahari desert in broad sense includes all Bechuanaland protectorate and parts of Cape of Good Hope and Southwest Africa protectorate

.2 Transvaal 110,450 sq. mi.

1852 Transvaal State; 1877 annext by Great Britain; 1884 South African Republic; 1900 annext again, Transvaal; 1910 an original province of Union of South Africa

.21 Pretoria (county and city)

.22 Witwatersrand Johannesburg Krugersdorp

.23 South central counties
Heidelberg, Standerton, Bethal

.24 Southeast counties
Wakkerstroom, Piet Retief, Ermelo, Carolina

.25 East counties
Barberton, Lydenburg, Middelburg

.26 Zoutpansberg Pietersburg

.27 Waterberg

.28 Rustenburg Marico

.29 Southwest counties
Lichtenburg, Potchefstroom, Wolmaransstad, Bloemhof

968.3 **Zululand Swaziland Amatonga**
Zululand annext to Natal 1897. 10,424 sq. mi.

.31 East region
Ndwandwe, Hlabisa, Mahlabatini, Emtonjaneni, Umfolozl

.32 West region
Eshowe, Umlalazi, Mtunzini, Nkandhla, Nqutu

.33

.34 Swaziland 6678 sq. mi.

.35 North region Mountains
Peak, Mbabane

.36 South region
Ubombo, Mankaiana, Hlatikulu

.37 Amatonga
Annext to Zululand 1897

.38 North region
Ingwavuma, Tongaland, Maputa

.39 South region Ubombo

.4 **Natal** 35,284 sq. mi. (including Zululand 10,424 sq. mi.)

.41 Northern districts
Annext from Transvaal to Natal 1903
Vryheid; Ngotshe, Vryheid (district), Babanango
Utrecht; Paulpietersburg, Utrecht (district)

.42 Klip River division
Newcastle, Dundee, Klip River (district), Umsinga, Helpmakaar, Impofana

.43 Weenen division
Bergville, Upper Tugela, Estcourt, Weenen (district)

.44 Umvoti division
Krantzkop, Umvoti (district), Mapumulo

.45 Pietermaritzburg division
Lions River, Howick, Impendhle, Underberg, Ipolela, Ixopo, New Hanover, Indwedwe, Umgeni, Umkomanzi, Richmond, Camperdown

.46 Victoria; Lower Tugela, Inanda

.47 Durban Umluzi

.48 Alexandra

.49 Alfred; Alfred (district), Lower Umzimkulu

968.5 **Orange Free State** 50,389 sq. mi.
Orange River Colony 1900–1910

.51 Central region Bloemfontein (county and city)

.52 West region
Fauresmith, Jacobsdal

.53 Northwest region
Boshof, Hoopstad

.54 North region
Kroonstad, Vredefort, Heilbron, Lindley, Frankfort

.55 Northeast region
Vrede, Harrismith, Bethlehem

.56 Upper east region
Senekal, Winburg

.57 Lower east region
Ficksburg, Ladybrand, Thabanchu

.58 Southeast region
Wepener, Rouxville, Smithfield

.59 Southwest region
Edenburg, Bethulie, Philippolis

.6 **Basutoland Kaffraria**
Kaffraria, east of Kei river; formerly independent nativ kingdom; annext to Cape of Good Hope 1875, and now incorporated as 968.63 Griqualand East, 968.64 Pondoland, 968.65 Tembuland, 968.67 Transkei

.61 Basutoland 11,716 sq. mi.
Drakensberg mts form east boundary

.62

.63 Griqualand East 6602 sq. mi.
Includes most of region formerly cald Noman's-land and afterwards named Adam Kok's Land

.631 Matatiele .632 Mount Currie .633 Umzimkulu .634 Mount Ayliff .635 Mount Frere .636 Mount Fletcher .637 Qumbu .638 Maclear .639 Tsolo

.64 Pondoland 3906 sq. mi.
British protectorate proclaimd 1885, annext to Cape of Good Hope 1894

.641 East Pondoland .642 Bizana .643 Flagstaff .644 Tabankulu .645 Lusikisiki, Umsikaba .646 Port St John's .647 West Pondoland .648 Libode .649 Ngqeleni

.65 Tembuland 3339 sq. mi.
Annext to Cape of Good Hope 1885

.651 Elliot .652 Slang River .653 Xalanga .654 St Mark's .655 Engcobo .656 Umtata **.657 Bomvanaland** .658 Mqanduli .659 Elliotdale

.66

.67 Transkei 2594 sq. mi.
Annext to Cape of Good Hope 1879

.671 Gealeka or Galekaland .672 Willowvale .673 Kentani **.674 Fingoland** .675 Butterworth .676 Idutywa .677 Nqamaqwe .678 Tsomo

968.7 **Cape of Good Hope** 276,966 sq. mi. Colony proper 208,661 sq. mi.
Founded by Dutch 1652, taken by English 1795, returnd 1803, taken again 1806, formally ceded 1814

.71 Western province
.711 Cape Town (county) .712 Cape Town (city) .713 Simon's Town .714 Wynberg .715 Woodstock .718 Stellenbosch .719 Paarl

.72 Northwest province
.721 Tulbagh .722 Worcester .723 Ceres .724 Malmesbury .725 Piquetberg .726 Clanwilliam .727 Calvinia .728 Van Rhynsdorp .729 Namaqualand

.73 Southwest province
.731 Caledon .732 Bredasdorp .733 Robertson .734 Swellendam .735 Riversdale .736 Ladismith .737 Oudtshoorn .738 Mossel Bay .7385 George .739 Uniondale .7395 Knysna

.74 Midland province
.741 Beaufort West .742 Prince Albert .7425 Laingsburg .743 Aberdeen .7435 Murraysburg .744 Graaff Reinet .745 Fraserburg .7455 Sutherland .746 Victoria West .7465 Carnarvon .747 Kenhardt .7475 Prieska .748 Hopetown .749 Britstown .7495 Richmond

.75 Southeast province
.751 Humansdorp .752 Willowmore .753 Jansenville .7535 Steytlerville .754 Uitenhage .755 Port Elizabeth .756 Alexandria .757 Albany, Grahamstown .758 Bathurst .759 Peddie .7595 Victoria East

.76 Northeast province
.761 Fort Beaufort .7615 Stockenstrom .762 Somerset East .763 Bedford .764 Cradock .765 Tarka .766 Middelburg .7665 Steynsburg .767 Hanover .7675 Philipstown .768 Colesberg .769 Albert .7695 Molteno

.77 Eastern province
.771 Aliwal North .772 Herschel .773 Barkly East .774 Wodehouse .775 Glen Grey .776 Queenstown .777 Cathcart .7775 Stutterheim .778 King William's Town .7785 Komgha .779 East London

.78 Northern section Griqualand
.781 Herbert .782 Kimberly .783 Barkly .784 Hay .785 British Bechuanaland .786 Gordonia .787 Kuruman .7875 Taungs .788 Vryburg .789 Mafeking

.8 **Southwest Africa protectorate** 322,400 sq. mi.
Formerly German Southwest Africa

.81 Great Namaqualand
.82 Luderitz Land, Luderitz Bay, Angra Pequeña .825 Warmbad .83 Bethany .833 Keetmanshoop .838 Hasuur .84 Gibeon .845 Maltahöhe

.85 Damaraland or Hereroland
.851 Swakopmund .852 Walfish or Walvis Bay .853 Rehoboth .854 Windhoek .855 Gobabis .856 Okahandya .857 Karibib .858 Omaruru

.86 Ovambo or Ovampo-land or Aajamba
.87 Outjo, Kaoko-land .88 Ambo-land .89 Grootfontein

968.9 **Rhodesia** 440,000 sq. mi. Nyasaland protectorate
British South Africa Company charter 1889

.91 Southern Rhodesia 149,000 sq. mi.

.92 Matabele-land
.921 Gwanda (including the former district of Tuli) .922 Bulalima-Mangwe .9228 Tati district .923 Bulawayo .924 Matopo .9245 Umzingwane .925 Insiza .9255 Belingwe .926 Nyamandhlovu .9265 Bubi .927 Gwelo .9275 Selukwe .928 Wankie .929 Sebungwe

.93 Mashonaland
.931 Chibi (formerly Mtibi) .932 Victoria .9323 Ndanga .9327 Melsetter .933 Chilimanzi .9335 Gutu .934 Charter .9345 Umtali .935 Hartley .9355 Marandellas .936 Makoni .9365 Inyanga .937 Salisbury .9374 Mrewa .9377 Mtoko .938 Mazoe .9385 Darwin .939 Lomagundi

.94 Northern Rhodesia 291,000 sq. mi.
Amalgamation of Northeastern and Northwestern Rhodesia 1911

.95 Northwestern Rhodesia
.951 **Barotse or Mabunda** **Monkoya or Mankoya**
.952
.953 **Batoka** **Batonga**
.954
.955 **Kafue** **Mashukulumbwe** **Walenje**
.956 **Kasempa** **Bakwakwa or Bakakwakwa**
.957
.958 **Loangwa**
1 North region Bakonde
5 Walamba
.959 South region Zumbo
1 Aluano
5 Chicunda or Chikunda

.96 Northeastern Rhodesia
.961 **Mwera or Mrewa** **Luapula or Mere-Mere** **Wausi**
Lake Mweru, Mocro or Meru Waitawa, Walundi, Wakisinga
.962
.963 **Tanganyika**
Alungu or Ulungu, Amambwe or Mambwe, North Loangwa (a former district which included parts of Tanganyika and Awemba)
.964
.965 **Awemba**
Wasenga, Watwa, Awisa, Lake Bangweulu, Bangweolo or Bemba
.966
.967 **Serenje (formerly West Loangwa)**
.968 **East Loangwa or Luangwa**
Awisa, Achewa or Ackewa, Asenga

.97 Nyasaland protectorate 39,573 sq. mi.
British Central Africa protectorate 1891–1907
.971 North Nyasa .972 West Nyasa .9725 Mombera .973 Marimba .974 Central Angoniland .9741 Lilongwe .9745 Dedza .975 South Nyasa .976 Upper Shire .9765 Liwonde .977 West Shire .9775 Zomba .978 Blantyre .9785 Mlanje or Milanji .979 Ruo .9795 Lower Shire

969 Madagascar and ilands of South Indian Ocean

.1 **Madagascar (French)** 228,000 sq. mi.

.2

.3

.4 **Ilands north of Madagascar**

.41 Comoro: Mayotte or Mauté, Anjouan or Johanna, Great Comoro, Moheli or Moali (French)

.42 Aldabra (British)

.43 Cosmoledos (British)

.44 Gloriosa (French)

.45 Providence (British)

.46 Farquhar (British)

.47 Agelaga (British)

.5 **Amirantes or Admiral's (British)**

.6 **Seychelles (British)**
29 ilets: Mahé, Praslin, Silhouette

.7 **Chagos (British)**
Grand Chagos or Diego Garcia, Peros Banhos, Solomon, Danger, Egmont, Three Brothers or Trois Fréres

.8 **Mascarenes and ilands east of Madagascar**

.81 Réunion or Bourbon (French)

.82 Mauritius or Île de France (British)

.83 Rodrigues (British)

.84 Cargados, Garayos, St Brandon or Nazareth (British): Albatross, Cocos, Tromelin

.9 **Isolated ilands**

.91 Amsterdam

.92 Saint Paul

.93 Kerguelen

970 North America

.1 Indians, aborigines .2 Lives of Indians .3 Special tribes .4 Special states .5 Government relation and treatment .6 Special subjects: caracter, civilization, agriculture, etc. May be divided like the whole classification; e.g. 970.6738 Indian pottery. But when a special number is provided elsewhere for a topic relating to Indians, prefer that number; e.g. 371.975 Education of Indians, 572.97 Indian ethnology, 497 Indian languages

971 Canada British America

General works on Canada under British rule
For histories of special periods see 971.01–.054; of special provinces see 971.1–.9
For constitutional history see 342.71

Period divisions

For works not limited to any of the territorial subdivisions .1–.9 but dealing with a limited period
Clas archives with their periods and segregate them if wisht by booknumbers that wil automaticly locate them ahed of other histories having the same clas number: e.g. A1–A9 if Cutter numbers ar used for other works; Aa–Ac if Cutter-Sanborn numbers ar used

.01 **French regime 1497–1763**
From earliest time till cession to England

.011 Discovery and early settlement 1497–1632
Early explorations along Atlantic seaboard 1497–1533. Discovery and occupation of St Lawrence 1534–43. Rise of fur trade 1544–1612. Permanent colonization 1613–32

.016 Extension of English rule 1632–1763
Treaty of St Germain-en-Laye 20 Mar. 1632

.018 Struggle with England for supremacy
Peace of Utrecht 1713–Peace of Paris 1763. Seven years war 1755–63; United States cald French and Indian war. British supremacy dates actually from fall of Quebec, 1759; formally from peace of Paris, 10 Feb. 1763

.02 **End of 7 years war to Constitutional act 1791**
Conspiracy of Pontiac 1763–64
Quebec act 1774

.024 American revolution United Empire loyalists
Canadian libraries wil clas here United Empire loyalists, but works on the revolution 1775–83 ar better put in 973.3

.03 **1792 to Union act 1841**
See also 971.3 Ontario and 971.4 Quebec

.034 War of 1812
1812–15. In United States cald also 2d war for independence
Better clast in 973.52 (United States history)

.038 Rebellion 1837–38

.039 Union act 10 Feb. 1840
Passage of Union act, closing the period under the Constitutional act. See also constitutional history, 342.7109

.04 **Union 1841 to Confederation 1867**
Beginning with operation of Union act; Canadian parliament at Ottawa 13 June 1841. Clas clergy reservs agitation in 971.3 Ontario; abolition of seigniories in 971.4 Quebec

.048 Fenian invasions

.049 British North America act, 29 March 1867

.05 **Dominion of Canada 1867–**
Canada under British North America act

.051 Red river (Riel s 1st) rebellion 1870

.054 Northwest (Riel's 2d) rebellion 1885

Geografic divisions

971.1 British Columbia
.2 Northwest Territories
Including former Hudson Bay territory
.21 Yukon
Klondike region Dawson (city)
.22 Mackenzie
.23 Alberta
.24 Saskatchewan
.26 Keewatin
.27 Manitoba
.28 Ungava
.29 Franklin
See also 998 Arctic region
.3 Ontario
For St Lawrence river see 971.4
Formerly also Upper Canada or Canada West
See also 971.4 note. Clas here Clergy reservs
.31 Northwestern
North shore of Lake Superior and Lake Huron; Georgian bay
.311 Rainy River district
Lake of the Woods Rainy lake
.312 Thunder Bay district
5 *Fort William*
.313 Algoma district
Sault Ste Marie
5 Manitoulin iland
.314 Nipissing district
.315 Parry Sound Maganetawan districts
.316 Muskoka Lake of Bays district
.317 Simcoe
.318 Grey Owen Sound (or Sydenham)
.32 Western
East shore of Lake Huron
.321 Bruce
.322 Huron
.323 Perth
.324
.325 Middlesex
.326 *London* (city)
.327 Lambton
.33 Southwestern
North shore of Lake Erie
.331 Essex
.332 *Windsor* (city)
.333 Kent
.334 Elgin
.335 *St Thomas* (city)
.336 Norfolk
.337 Haldimand
.338 Welland

971.34	**West central**
.341	Dufferin
.342	Wellington
.343	*Guelph* (city)
.344	Waterloo
.345	*Kitchener* (*Berlin*) (city)
.346	Oxford
.347	Brant
348	*Brantford* (city)
.35	**Southern**
	West and North shore of Lake Ontario
.351	Lincoln
	St Catherines (city)
.352	Wentworth
	Hamilton (city)
.353	Halton Peel
.354	York
1	*Toronto* (city)
.355	Ontario
.356	Durham
.357	Northumberland
.358	Hastings
7	Prince Edward
.359	Lennox and Addington
.36	**Central**
.361	Haliburton
.362	
.363	
.364	Victoria
.365	
.366	
.367	Peterborough
.368	*Peterborough* (city)
.369	
.37	**Southeastern**
	St Lawrence river counties
.371	Frontenac
.372	*Kingston* (city)
.373	Leeds
	Rideau lakes and canal
.374	Grenville
.375	Dundas
.376	Stormont
.377	Glengarry
.378	
.379	
.38	**Northeastern**
	Ottawa river counties
.381	Renfrew
.382	Lanark
.383	Carleton
.384	*Ottawa* (city)
.385	Russell
.386	Prescott

971.4 Quebec St Lawrence river

Lower Canada or Canada East

From its cession by France to England in 1763 all Canada was one colony, the Province of Quebec, till 1791. In 1791 it was divided by the constitutional act into 2 provinces: Upper Canada (Ontario) and Lower Canada (Quebec). By the union act, 1840, the 2 provinces wer reunited as the Province of Canada; union in 1867 by the British North America act again divided into the provinces of Ontario and Quebec. Quebec is from Caudebec (Normandy), home of many of its erly settlers.

.41 Northern
- .411 Mistassini
- .412 Abitibi
- .414 Lake St John
- .416 Chicoutimi
- .417 Saguenay Anticosti iland
- .419 Ashuanipi

.42 Western Ottawa river counties
- .421 Pontiac
- .422 Ottawa (former county)
  - 1 Wright
    - 2 *Hull* (city)
  - 5 Labelle
- .423 Argenteuil
- .424 Terre Bonne
- .425 Two Mountains
- .426 Vaudreuil
  - 5 Soulanges
- .427 Laval
- .428 Hochelaga
  - 1 *Montreal* (city)
  - 5 Jacques Cartier

.43 Southwestern South of the St Lawrence and west of Richelieu river
- .431 Huntingdon
- .432 Beauharnois
- .433 Chateaugay
- .434 La Prairie
- .435 Napierville
- .436 Verchères
- .437 Chambly
- .438 St Johns

.44 North central North of St Lawrence from Montreal to Saguenay river
- .441 Montcalm
  - 6 L'Assomption
- .442 Joliette
- .443 Berthier
- .444 Maskinonge
- .445 St Maurice
- .446 Champlain
  - 6 Portneuf
- .447 Quebec
  - 1 *Quebec* (city)
- .448 Montmorency
  - Île d'Orléans
- .449 Charlevoix

971.45 South Central
Counties south of St Lawrence from Richelieu river to Quebec
.451 Richelieu
.452 St Hyacinthe
5 Bagot
.453 Rouville
.454 Yamaska
.455 Nicolet
.456 Drummond
5 Arthabaska
.457 Wolfe
5 Megantic
.458 Lotbinière
.459 Levis
.46 Southern
Southern border from Richelieu river to Lake Megantic
.461 Iberville
.462 Missisquoi
.463 Shefford
.464 Brome
.465 Richmond
.466 Sherbrooke
Sherbrooke (city)
.467 Stanstead
.468 Compton
.469 Lake Megantic
.47 Southeastern
Lower St Lawrence, southern side from Quebec to Gulf of St Lawrence
.471 Beauce
.472 Dorchester
.473 Bellechasse
5 Montmagny
.474 L'Islet
.475 Kamouraska
.476 Temiscouata
.477 Rimouski
5 Matane
.478 Bonaventure
.479 Gaspé
7 Magdalen ilands

.5 New Brunswick
.51 Northern
.511 Restigouche
.512 Gloucester
.52 Eastern
.521 Northumberland
.522 Kent
.523 Westmoreland
Monckton (city)

971.53 Southern
.531 Albert
.532 St John
St John (city)
.533 Charlotte
Grand Manan iland
.54 Central
.541 Kings
.542 Queens
.543 Sunbury
.55 Western
.551 York
Fredericton (city)
.552 Carleton
.553 Victoria
.554 Madawaska

.6 Nova Scotia
.61 Northern
.611 Cumberland
.612 Colchester
.613 Pictou
.614 Antigonish
.62 Southern
.621 Guysborough
.622 Halifax co. and city
.623 Lunenburg
.624 Queens
.625 Shelburne
.63 Western
.631 Yarmouth
.632 Digby
.633 Annapolis
.634 Kings
.635 Hants

.69 Cape Breton (iland)
.691 Inverness
.693 Victoria
.695 Cape Breton
.696 *Sydney* (city)
.698 Richmond

.7 Prince Edward Island
.71 Prince
.74 Queens
.75 *Charlottetown* (city)
.77 Kings

.8 Newfoundland

.9 Labrador
For Moravian missions see 266.46

972 Mexico Central America

Period divisions

.01	Ancient civilization	— 1516
	1 Toltec 2 Chichimec 3 Tarascan 4 Aztec 5 Maya	
.02	Discovery and Spanish rule	1516–1810
.03	Independence	1810–1822
.04	First empire Iturbide 1 Pronunciamientos	1822–1845
.05	War with United States. See also 973.6	1845–1848
.06	Constitution of '57 Reform	1848–1861
.07	French intervention	1861–1867
.08	Later history	1867–

Geografic divisions

.1 **Free zone and Northern states**

Tamaulipas, Nuevo Leon, Cohahuila, Chihuahua, Sonora, Durango

.2 **Lower California and ilands**

.3 **Central Pacific states**

Sinaloa, Jalisco, Colima, Michoacan

.4 **Interior states**

Zacatecas, San Luis Potosi, Aguascalientes, Guanajuato, Querétaro, Hidalgo, Puebla, Tlascala, Morelos

.5 **Mexico Federal district**

.6 **Southern Gulf states**

Vera Cruz, Tabasco, Campeche, Yucatan

.7 **Southern Pacific states**

Guerrero, Oaxaca, Isthmus of Tehuantepec, Chiapas

.8 Central America

.81 **Guatemala**

.82 **British Honduras Belize**

.83 **Honduras**

.84 **Salvador**

.85 **Nicaragua**

.86 **Costa Rica**

.9 West Indies

.91 **Cuba**

.92 **Jamaica**

.93 **Santo Domingo**

.94 **Hayti**

.95 **Puerto Rico**

.96 **Bahamas**

.97 **Leeward ilands**

.98 **Windward ilands Barbados**

.99 **Bermudas**

973 United States

SUMMARY OF 973

.1	Discovery	—1607
.2	Colonial	1607—1775
.3	Revolution and confederation	1775—89
.4	Constitutional	1789—1809
.5	Early 19th century	1809—45
.6	Middle 19th century	1845—61
.7	Civil war	1861—1865
.8	Later 19th century	1865—1901
.9	20th century—	1901—

See also 342.73 U. S. constitutional law and history; 328.73 U. S. legislativ bodies and annals; 329 Political parties; 353 U. S. government

.1 Discovery —1607

From earliest times to settlement of Jamestown

See also 970.1–.6 American indians; 913.7 American antiquities; 571.91 Mounds and mound bilders; 571.85 Pueblos

.11 Precolumbian

For precolumbian claims of Chinese, Norse, Welsn, etc. see .12 to .14 below

Arabs
Jews
Africans
Irish
Poles
Germans Martin Behaim
Italians

.12 Chinese

.13 Norse
- Gunnbiorn
- Eric the Red
- Leif Ericson
- Bjarni Herjulfson
- Thorwald
- Thorfinn Karlsefne

.14 Welsh
- Prince Madoc

.15 Columbus

.16 Spanish and Portuguese

Dates of voyages are added to names

Amerigo Vespucci 1497–1504
Gaspar and Miguel Cortereal 1500–2 Labrador
Juan Ponce de Leon 1513–21 Florida
Vasco Nuñez de Balbóa 1513 Pacific ocean
Hernando Cortés 1518–40 See also 972.02 History of Mexico
Fernando da Magalhaens 1518–21 Magellan straits
Francisco Pizarro 1524–41 See also 985 History of Peru
Hernando de Soto 1539–42 Mississippi river
Francisco Vasquez de Coronado 1540–42 New Mexico, Arizona, Colorado

.17 English

John and Sebastian Cabot 1497–1530
Sir John Hawkins 1562–69
Sir Francis Drake 1570–80
Sir Martin Frobisher 1576–78
Sir Humphrey Gilbert 1578–83
Sir Walter Ralegh 1578–1602
John Davis 1585–87
Bartholomew Gosnold 1602–07

973.18 **French**

Giovanni da Verrazano 1524
Jacques Cartier 1534–44 Canada
Jean Ribault 1562–65 Florida
René de Laudonnière 1564–66 Florida
Samuel de Champlain 1603–35 See also 971.011 History of Canada

.19 **Other nations**

.2 **Colonial period** 1607–1775

See also histories of separate colonies

.21 **Virginia settlement 1607–20**

Settlement of Jamestown 13 May 1607 See 975.5 Virginia history
Hudson's voyage 1609 See also 974.7 N. Y. history

James 1 1603–25

.22 **New England settlement 1620–43**

Settlement of Plymouth 21 Dec. 1620 See 974.4 Mass. history
Pequot war 1636–37 Connecticut

Charles 1 1625–49

.23 **New England confederacy 1643–64**

United colonies of New England 19 May 1643

Commonwelth 1649–53
Oliver Cromwell 1653–58
Richard Cromwell 1658–59

.24 **Conquest of New Netherland 1664–89**

King Philip's war 1675–76 Massachusetts
War with eastern Indians 1675–78 Maine
Sir Edmund Andros, governor of New England 1686–89

Charles 2 1660–85
James 2 1685–88

.25 **Early French wars 1689–1732**

Witchcraft in New England See 133.4
King William's war 1689–97
Sometimes cald in Europe 'War of the Palatinate'
Queen Anne's war 1702–13
Known in Europe as War of the Spanish succession

William 3 1689–1702
Anne 1702–14
George 1 1714–27

.26 **Extension of English rule 1732–63**

Settlement of Georgia 1732 See 975.8 Georgia history
King George's war 1744–48
Known in Europe as War of the Austrian succession
Albany convention assembled 19 June 1754
French and Indian war 1755–63
Known in Europe as Seven years war
Braddock's defeat 9 July 1755
Crown Point and Ticonderoga 1758–59
Capture of Louisburg 27 July 1758
Capture of Quebec 18 Sep. 1759; Montcalm and Wolfe
Peace of Paris 10 Feb. 1763

George 2 1727–60

.27 **Last years of the colonies 1763–75**

See also specially 973.311 Causes of the Revolution
Conspiracy of Pontiac 1763–64
Bouquet's expedition 1763–64
Lord Dunmore's war Ap.-Oct. 1774 Virginia

George 3 1760–1820

973.3 Revolution and confederation 1775–89

SUMMARY OF 973.3

.31 Political history
.32 Diplomatic history
.33 Special campains and battles
.34 General military history
.35 Naval history
.36 Celebrations
.37 Prisons, hospitals
.38 Personal narrativs
.39 Illustrativ material

.31 Political history; causes, results

For financial history see 336.73

.311 Causes
1 Stamp act 1765
2 Navigation acts; mercantil policy
Burning of the Gaspé 17 June 1772
3 Boston massacre 5 Mar. 1770
4 Taxation and representation
5 Tax on tea 1767 Boston tea party 16 Dec. 1773
6 Boston port bill 1774

.312 Political history 1775–83
Continental congress See 328.73 U. S. legislativ bodies

.313 Declaration of independence 4 July 1776 See also 973.361
Mecklenburg declaration 20 May 1775

.314 Loyalists, tories See also 973.381 Treason and traitors

.315 Relations of special classes to the Revolution
Clergy and churches
Lawyers
College graduates

.316

.317 Treaty of peace 1783
Concluded at Paris 3 Sep. 1783; ratified 14 Jan. 1784

.318 Confederation 1783–89
Shay's rebellion 1786–87 Massachusetts
Cession of western territory to United States

.319

.32 Diplomatic history; relations with other nations

Divided like 940; e. g. 973.324 Relations with France; 973.326 Relations with Spain

.33 Special campains and battles

.331 Campains of 1775
1 Lexington and Concord 19 April See also 973.362
2 Bunker Hill 17 June See also 973.366
3 Siege of Boston June 1775-March 1776
4 Ticonderoga 10 May
Crown Point 12 May
5 Canadian expeditions
Montgomery
6 Arnold
7
8 Events in the south

973.332 Campains of 1776
1 Campain for the Hudson
2 Battle of Long Island 27 Aug.
3 British occupation of New York
4 American retreat Sep.–Nov. 1776
Harlem Hights 16 Sep.
White Plains 28 Oct.
Fort Washington 16 Nov.
5 Washington in the Jerseys Dec. 1776–Jan. 1777
6 Trenton 26 Dec.
Princeton 3 Jan. 1777
7
8 Events in the south
North Carolina
Fort Moultrie, Sullivan's iland 28 June

.333 Campains of 1777
1 Events in Connecticut and Rhode Island
2 Burgoyne's campain
Ticonderoga evacuated 6 July
Hubbardton, Vt 7 July
Bennington, Vt 16 Aug.
3 Freeman's farm or Bemis Hights or Stillwater 19 Sep.
Bemis Hights or Saratoga 7 Oct.
Burgoyne's surrender 17 Oct.
4 Fort Stanwix or Fort Schuyler or Oriskany 2–22 Aug.
5 Clinton's advance up the Hudson
Forts Clinton and Montgomery 6 Oct.
6 Howe's campain
Brandywine 11 Sep.
Paoli 20 Sep.
7 Philadelphia taken by British 27 Sep.
Germantown 4 Oct.
Forts on the Delaware
Red Bank, or Fort Mercer 22 Oct.
Mud iland, or Fort Mifflin 10–16 Nov.
8 Events in south Including Kentucky

.334 Campains of 1778
1 Washington at Valley Forge 1777–78
2 Events in middle states
Battle of Monmouth 28 June
3 Evacuation of Philadelphia June
4 Indian depredations See also 973.343
Wyoming valley 1–4 July
5 Mohawk valley
Cherry valley 11 Nov.
Brant See also 970.2 Indian biografy
6 Rhode Island campain, August See also 973.354 Naval history
7 Events in the south
Capture of Savannah 29 Dec.
8 Events in northwest 1778–79
Clark's expedition
Vincennes, Ind. 2 Jan. and 20 Feb. 1779

973.335 Campains of 1779
1 Events in New England
Tryon in Connecticut July
2 Penobscot expedition Aug. and Sep.
3 Events in middle states
Minisink 19 July
4 Wayne at Stony Point 16 July
5 Paulus Hook 19 Aug.
6 Sullivan's expedition July–Sep.
7 Events in the south
Briar creek 3 Mar.
Siege of Savannah 23 Sep. and 18 Oct.
8 Events in northwest See 973.3348

.336 Campains of 1780
1 Southern campains
Waxhaws, N. C. 29 May
Ramsour Mills, N. C. 20 June
Leslie's expedition into Virginia Oct
2 Siege of Charleston Mar.–May
3 Camden, S. C. 16 Aug.
4 Kings mountain, S. C. 7 Oct.
5 Events in middle states
Springfield, N. J. 23 June
Bull's Ferry, N. Y. 21 July
6 Northern invasion

.337 Campains of 1781
1 Southern campains
2 Events in Carolinas Jan.–Ap.
Cowpens, S. C. 17 Jan.
Guilford, N. C. 15 Mar.
Hobkirks hill, S. C. 25 Ap.
3 Events in Carolinas May–Dec.
Fort Ninety-Six, S. C. May–June
Eutaw Springs, S. C. 8 Sep.
4 British in Virginia
5 Siege of Yorktown Sep.–Oct.
Surrender of Cornwallis 19 Oct.
6 Events in the north
7 Arnold in Connecticut Sep.

.338 Campains of 1782

.339 Events of 1783
British evacuation of New York 25 Nov. See also 973.363

973.34 **General military history**
.341 English side
.342 Mercenaries; Hessians
.343 Indians
.344 American side
Part taken by special states, specially the northern states. Under the number for each state use the book numbers A1–A19 for official publications, A2 for lists of revolutionary soldiers
1
2 New Hampshire
3 Vermont Not then a state, admitted 1791
4 Massachusetts
5 Rhode Island
6 Connecticut
7 New York
8 Pennsylvania
9 New Jersey
.345 Southern states
1 Delaware
2 Maryland
5 Virginia
6 North Carolina
7 South Carolina
8 Georgia
.346 American auxiliaries
.347 French
.348
.349 Special topics
Conway cabal 1777–78
Mutiny of Pennsylvania line Jan. 1781
Newburgh addresses 1782–83
.35 **Naval history**
.351 Events of 1775
Capture of the Margaretta June 12
.352 Events of 1776
Escape of British sloop of war Glasgow 6 Ap.
Battle of Lake Champlain 11–13 Oct.
Gen. Benedict Arnold
.353 Events of 1777
Lexington and Alert 20 Sep.
.354 Events of 1778
French fleet at Newport
.355 Events of 1779
Bon Homme Richard and the Serapis 23 Sep.
.356 Events of 1780
Trumbull and Watt 2 June
.357 Events of 1781
Alliance and British brigs Atalanta and Trepassey 28 May
.358 Privateers

973.36 **Celebrations, anniversaries, commemorations**

These should usually be clast with the special event commemorated, but some anniversaries ar of such general caracter as to be better clast here
For patriotic societies commemorating the revolution see 369.13

.361 Fourth of July See also 973.313
.362 19th of April See also 973.3311
.363 Evacuation day, New York See also 973.339
.364
.365 Monuments, memorials See also 718
.366 Bunker Hill monument See also 973.3312
.367 Washington's various hedquarters
Newburgh, N. Y.
Morristown, N. J.

.37 **Prisons, hospitals, etc.**
.371 English prisons
1 Jersey prison ship
2 Sugar house prison
.372 American prisons
.373 Exchange of prisoners
.374
.375 Medical dep't; surgeons, nurses, etc.
.376 Hospitals
.377
.378
.379

.38 – **Personal narrativs, vindications, secret servis**
.381 Treason and traitors See also 973.314 Loyalists, tories
.382 Benedict Arnold
.383 Charles Lee
.384
.385 Secret servis, spies
American side: Nathan Hale
.386 British side: Major John André

.39 **Illustrativ material**

These numbers should be used mainly for references. Poems, dramas etc. should usually be clast under their own numbers, 811, 812, etc. but special collections should be clast here

.391 Poetry
.392 Drama
.393 Fiction
.394 Addresses
.395 Sermons
.396 Humor
.397 Pictures
Paintings, drawings, caricatures, engravings, fotografs, sculpture
.398 Music
.399 Maps

973.4 Constitutional period 1789-1809

See 342.73 U. S. constitution; 329.1 Federal party 1789-1823; 329.2 Antifederal party 1789-92

.41 George Washington 30 Ap. 1789-4 Mar. 1797

Born 22 Feb. 1732; died 14 Dec. 1799

Sworn into offis 30 Ap. 1789

National bank establisht 25 Feb. 1791 See 332.11

Vermont admitted, 14th state 4 Mar. 1791 See 974.3

Kentucky admitted, 15th state 1 June 1792 See 976.9

.42 Indian wars

Harmar's expedition 1790

St Clair's expedition 1791

.43 Washington's 2d term 4 Mar. 1793-4 Mar. 1797

Neutrality proclamation 22 Ap. 1793 See also 341.3

Whisky insurrection July-Nov. 1794

Wayne's expedition, Oct.-Nov. 1794, and treaty, 3 Aug. 1795

Jay's treaty 28 Oct. 1795 See also 341.2

Treaty with Spain 27 Oct. 1795 See also 341.2

Tennessee admitted, 16th state 1 June 1796 See 976.8

.44 John Adams 4 Mar. 1797-4 Mar. 1801

Born 31 Oct. 1735; died 4 July 1826

Alien act 25 June 1798 See 341.5

Sedition act 14 July 1798 See 323

Removal of capitol to Washington

.45 Troubles with France

Naval battles; Constellation and L'Insurgent 9 Feb. 1800

.46 Thomas Jefferson 4 Mar. 1801-4 Mar. 1809

Born 2 Ap. 1743; died 4 July 1826

Ohio admitted, 17th state 19 Feb. 1803 See 977.1

Purchase of Louisiana 2 May 1803

.47 Wars with Barbary states

.48 Jefferson's second term 4 Mar. 1805-4 Mar. 1809

Aaron Burr's conspiracy 1806

See also 923.273 lives of Burr; and 343.1 Trials

Embargo act 22 Dec. 1807

.5 Early 19th century 1809-45

.51 James Madison 4 Mar. 1809-4 Mar. 1817

Born 16 Mar. 1751; died 28 June 1836

Engagement between ships President and Little Belt 16 May 1811

Defeat of Indians by Gen. Harrison at Tippecanoe 7 Nov. 1811

Louisiana admitted, 18th state 30 Ap. 1812. See 976.3

Indiana admitted, 19th state 11 Dec. 1816 See 977.2

973.52 War of 1812
War declared 18 June 1812. Treaty of peace 24 Dec. 1814

.521 Political history; causes, results
Hartford convention

.522 Diplomatic history

.523 Special campains and battles

1 Campain in northwest
Includes all west of New York
Surrender of Detroit 16 Aug. 1812

2 Events in northwest 1813–14

3 Campain in New York, New England and Canada
Battle of Queenstown 13 Oct. 1812

4 Events in New York and New England 1813
Capture of Fort Niagara 19 Dec.

5 Events in Canada 1813
Capture of Fort George 27 May
Battle of Thames 5 Oct.

6 Events in New York and New England 1814
Bombardment of Stonington, Conn. 9–12 Aug.

7 Events in Canada 1814
Capture of Fort Erie 3 July
Battle of Chippewa 5 July
Battle of Lundy's lane 25 July

8 Campain in the south
Battle of Bladensburg 24 Aug. 1814
Burning of Washington 24 Aug. 1814
Bombardment of Fort McHenry 13 Sep. 1814

9 Events in Louisiana
Battle of New Orleans 22 Dec. 1814–8 Jan. 1815

.524 General military history

1 English side

2 Indian allies

3

4 American side in general
Divided like 974. Under the number for each state use the book numbers A1–A19 for official publications, A2 for lists of soldiers

5 South Atlantic states
Divided like 975

6 Gulf states
Divided like 976

7 Lake states
Divided like 977

973.525 Naval history
1 Events of 1812
Constitution and Guerrière 19 Aug.
Wasp and Frolic 18 Oct.
United States and Macedonia 25 Oct.
Constitution and Java 29 Dec.
2 Events on inland waters
3 Events of 1813
Hornet and Peacock 24 Feb.
Chesapeake and Shannon 1 June
Pelican and Argus 14 Aug.
Enterprise and Boxer 5 Sep.
4 Events on inland waters
Battle of Lake Erie 10 Sep.
5 Events of 1814
Essex against Phoebe and Cherub 28 Mar.
Peacock and Epervier 29 Ap.
Wasp and Reindeer 28 June
Wasp and Avon 1 Sep.
Wasp and Atlanta 21 Sep.
6 Events on inland waters
Battle on Lake Champlain 11 Sep.
7 Events of 1815
Capture of frigate President 15 Jan.
Capture of Cyane and Levant by the Constitution 20 Feb.
Hornet and Penguin 23 Mar.
8 Privateers
.526 War meetings, celebrations, anniversaries, etc.
See note under 973.36
See 369.14 societies of the war of 1812
.527 Prisons, hospitals, etc.
1 English prisons Dartmoor
.528 Personal narrativs, vindications, secret servis
.529 Illustrativ material Divided like 973.39
.53 Algerine war
.54 James Monroe 4 Mar. 1817–4 Mar. 1825
Born 28 Ap. 1758; died 4 July 1831
Mississippi admitted, 20th state 10 Dec. 1817 See 976.2
Illinois admitted, 21st state 3 Dec. 1818 See 977.3
Purchase of Florida 25 Feb. 1819
Alabama admitted, 22d state 14 Dec. 1819 See 976.1
Maine admitted, 23d state, 15 Mar. 1820 See 974.1
Missouri compromise See 326.973 and 973.7113
Missouri admitted, 24th state 10 Aug. 1821 See 977.8
Monroe doctrin Dec. 1823 See 327.73
Tariff act 22 May 1824 See 337
.541 First Seminole war 1818
.55 John Quincy Adams 4 Mar. 1825–4 Mar. 1829
Born 11 July 1767; died 23 Feb. 1848
Erie canal completed 1825 See 386
Panama congress 1826 See 341.1
Removal of Creek Indians 1825–29 See 970.3
Tariff act 19 May 1828 See 337

973.56 **Andrew Jackson** 4 Mar. 1829–4 Mar. 1837
Born 15 Mar. 1767; died 8 June 1845
Rotation in offis See 351.6
United States bank See 332.11
Whig party See 329.4
Compromise tariff act 3 Mar. 1833 See 337
Independence of Texas 2 Mar. 1836 See 976.4
Arkansas admitted, 25th state 15 June 1836 See 976.7
Specie circular 11 July 1836 See 336.73
Michigan admitted, 26th state 26 Jan. 1837 See 977.4
.561 Nullification See also 342.73
Webster and Hayne debate 25–27 Jan. 1830
Nullification ordinance, South Carolina 24 Nov. 1832
.562 Black Hawk war 1832
.57 **Martin Van Buren** 4 Mar. 1837–4 Mar. 1841
Born 5 Dec. 1782; died 24 July 1862
Panic of 1837 See 332
Alton riot 7 Nov. 1837 See 326.973
Burning of Caroline 26 Dec. 1837
Northeast boundary, Aroostook war Feb.–Mar. 1839
Amistad case 1839
.571 Second Seminole war 1835–42
.58 **William Henry Harrison** 4 Mar. 1841–4 Ap. 1841
Born 9 Feb. 1773; died 4 Ap. 1841
John Tyler 4 Ap. 1841–4 Mar. 1845
Born 29 Mar. 1790; died 18 Jan. 1862
Dorr's rebellion May–June 1842 See 974.5
Ashburton treaty, northeast boundary
Texas annexation resolution 28 Feb. 1845
Florida admitted, 27th state 3 Mar. 1845 See 975.9

.6 Middle 19th century 1845–61

.61 **James Knox Polk** 4 Mar. 1845–4 Mar. 1849
Born 2 Nov. 1795; died 15 June 1849
Texas annext, 28th state 29 Dec. 1845 See 976.4
Wilmot proviso adopted by house 8 Aug. 1846 See also 973.7113
Iowa admitted, 29th state 28 Dec. 1846 See 977.7
Wisconsin admitted, 30th state 29 May 1848 See 977.5
Free soil party; Buffalo convention Aug. 1848 See 329.6
.611 Northwest boundary; Oregon; treaty with England 12 June 1849
.62 Mexican war 1845–48
War declared 13 May 1846; treaty of peace 30 May 1848
.621 Political history; causes, results
Annexation of Texas
Acquisition of California, Nevada, Utah, Arizona, etc.
.622 Diplomatic history
.623 Special campains and battles
1 Kearny in New Mexico
2 Fremont in California
3 Taylor's campain
4 On the Rio Grande
Palo Alto 8 May 1846
Resaca de la Palma 9 May
Matamoras 18 May
5 In Mexico
Monterey 20–25 Sep. 1846
Buena Vista 22–23 Feb. 1847

973.623 6 Scott's campain
7 Vera Cruz 22–29 Mar. 1847
Cerro Gordo 17–18 Ap.
8 Battles near Mexico
Contreras 19–20 Aug.
San Antonio 20 Aug.
Churubusco 20 Aug.
9 Capture of Mexico
Molino del Rey 8 Sep.
Chapultepec 12–13 Sep.
Mexico 14 Sep.
.624 General military history
.625 Naval history
.626 War meetings, celebrations, anniversaries
See note under 973.36; also 369.145 Aztec club of 1847
.627 Prisons, hospitals, etc.
.628 Personal narrativs
.629 Illustrativ material See note under 973.39
.63 **Zachary Taylor** **5 Mar. 1849–9 July 1850**
Born 24 Sep. 1784; died 9 July 1850
Inaugural ceremony 5 March
Compromise of 1850, Omnibus bil, introduced by Henry Clay 29 Jan. 1850 See also 326.973 and 973.7113
.64 **Millard Fillmore** **9 July 1850–4 Mar. 1853**
Born 7 Feb. 1800; died 7 Mar. 1874
Clayton-Bulwer treaty 4 July 1850 See also 386
California admitted, 31st state 9 Sep. 1850 See 979.4
Fugitiv slave law 18 Sep. 1850 See 326.973
Popular soverenty, or squatter soverenty See 342.73 and 326.973
Filibustering expeditions to Cuba 1849–51 See 972.91
.65
.66 **Franklin Pierce** **4 Mar. 1853–4 Mar. 1857**
Born 23 Nov. 1804; died 8 Oct. 1869
Know-nothing party See also 329.5
Republican party See also 329.6
Com. Perry's expedition to Japan 1852–54 See also 952.02532 and 341.273
Gadsden treaty with Mexico for purchase of southern Arizona and New Mexico 30 June 1854
Kansas-Nebraska bil 30 May 1854 See also 326.973, 978.1 and 978.2
Ostend manifesto 18 Oct. 1854 See also 972.91
Walker's filibuster expedition against Nicaragua 1855 See also 972.85
.67
.68 **James Buchanan** **4 Mar. 1857–4 Mar. 1861**
Born 23 Ap. 1791; died 1 June 1868
Dred Scott decision 6 Mar. 1857 See also 326.973 and 973.7113
Lecompton constitution, Kansas; proslavery 7 Nov. 1857 See also 978.1
Minnesota admitted, 32d state 11 May 1858 See 977.6
Oregon admitted, 33d state 14 Feb. 1859 See 979.5
John Brown's raid 16–17 Oct. 1859 See also 973.7116 and 326.973
Kansas admitted, 34th state 29 Jan. 1861 See 978.1
.69

973.7 Civil war War of secession 4 Mar. 1861—15 Ap. 1865

SUMMARY OF 973.7

.71 Political history
.72 Diplomatic history
.73 Special campains and battles
.74 General military history
.75 Naval history
.76 Celebrations
.77 Prisons, hospitals
.78 Personal narrativs
.79 Illustrativ material

Abraham Lincoln 4 Mar. 1861--15 Ap. 1865

Born 12 Feb. 1809; died 15 Ap. 1865
1st term 4 Mar. 1861–4 Mar. 1865; 2d term 4 Mar. 1865–15 Ap. 1865

.71 Political history; causes, results

West Virginia admitted, 35th state 19 June 1863 See 975.4
Nevada admitted, 36th state 31 Oct. 1864 See 979.3

.711 Causes

1 Slavery See also 326
2 Extension of slavery
Annexation of territory
Slavery in the territories
3 Compromises
Missouri compromise 1820 See also 973.54
Wilmot proviso 1846 See also 973.61
Compromise of 1850 See also 973. 63
4 Abolition movement
Murder of Elijah P. Lovejoy 7 Nov. 1837
Assault on Charles Sumner by Preston S. Brooks 22 May 1856
5 Fugitiv slaves
Underground railway
Dred Scott case See also 973.68
6 John Brown's raid See also 973.68
7 States' rights
8 Tarif See also 337

.712 Efforts to preserv peace

Crittenden compromise introduced 18 Dec. 1860
Peace conference 4–27 Feb. 1861

.713 Secession action in various states

South Carolina 20 Dec. 1860
Mississippi 9 Jan. 1861
Florida 10 Jan.
Alabama 11 Jan.
Georgia 19 Jan.
Louisiana 26 Jan.
Texas 1 Feb.
Confederate States of America formd 4 Feb.
Virginia 17 Ap.
Arkansas 6 May
North Carolina 20 May
Tennessee 8 June

For constitutional conventions see subdivisions of 342; proceedings and documents of Confederate congress and of state legislatures see subdivisions of 328

.714 Results of the civil war

Emancipation proclamation 1 Jan. 1863 See also 326.8
Freedmen's bureau See 361

For the present condition of negro, see 325.26
For negro colony in Liberia, Africa, see 325.6; history of Liberia 966.6

973.715 Relations of special classes to the civil war
Clergy and churches. Colleges, students and graduates
.716 Southern side
.717 Unionists in the south
.718 Secessionists in the north
.72 **Diplomatic history: relations with other nations**
Divided like 940; e. g. 973.722 Relations with England, 973.727 Russia
.727 Diplomatic history of Confederate States
Divided like 940; e. g. 973.7214 Relations of Confederate States with France
.73 **Special campains and battles**
General arrangement of topics is based on *Official records of the Union and Confederate armies*, pub. by the U. S. The indexes of those volumes can be used as a minute subject index for subdivisions of 973.73
.731 Campain of 1861
1 Operations in Charleston harbor, S. C. 20 Dec. 1860-14 Ap. 1861
Bombardment of Fort Sumter 12-14 April
2 Operations in other southern states (see *Official records*, v. 1)
3 Maryland, Pennsylvania, Virginia, West Virginia, 16 Ap.-31 July
Riot at Baltimore, Md. 19 April
Engagement at Big Bethel, or Bethel Church, Va. 10 June
4 Battle of Bull Run, or Manassas, Va. 21 July
5 Missouri, Arkansas, Kansas, Indian Territory 10 May-19 Nov.
6 Texas, New Mexico, Arizona 11 June-1 Feb. 1862
Kentucky, Tennessee 1 July-19 Nov.
North Carolina, southeastern Virginia 1 Aug.-11 Jan. 1862
7 Maryland, northern Virginia, West Virginia 1 Aug.-17 Mar. 1862
8 Engagement at Ball's Bluff, Va. 21 Oct.
Action near Edwards Ferry, Va. 22 Oct.
9 S. Carolina, Georgia, middle and east Florida 21 Aug.-11 Ap. 1862
.732 Campain of 1862
1 West Florida, southern Alabama, southern Mississippi, Louisiana 1 Sep. 1861–12 May 1862
Capture of New Orleans, La. 18 Ap.-1 May
2 Kentucky, Tennessee, north Alabama, southwest Virginia 19 Nov. 1861-4 March 1862
Capture of Fort Henry, Tenn. 6 Feb.
Siege and capture of Fort Donelson, Tenn. 12-16 Feb.
3 Missouri, Arkansas, Kansas, Indian T. 19 Nov. 1861–10 Ap. 1862
Battle of Pea Ridge, or Elkhorn tavern, Ark. 6-8 Mar.
4 Southeastern Virginia 11 Jan.-17 Mar.
Battle of Merrimac and Monitor See 973.752
North Carolina 11 Jan.-20 Aug.
Burnside expedition
Battle of Roanoke iland, N. C. 8 Feb.
Texas, New Mexico, Arizona 1 Feb.-20 Sep.
5 Kentucky, Tennessee, north Mississippi, north Alabama, southwest Virginia 4 Mar.-10 June
Siege of Corinth, Miss. 29 Ap.-10 June
6 Battle of Pittsburg Landing or Shiloh, Tenn. 6-7 Ap.

973.732 Campain of 1862 *continued*
7 Peninsular campain, Va. 17 Mar.-2 Sep.
Siege of Yorktown, Va. 5 Ap.-4 May
Battle of Fair Oaks, or Seven Pines, Va. 31 May-1 June
Seven-days battles 25 June-1 July
8 Northern Virginia, West Virginia, Maryland 17 Mar.-2 Sep.
Battle of Cedar Run, or Cedar (Slaughter) mountain, Va. 9 Aug.
Second battle of Bull Run, or Manassas, Va. 30 Aug.
9 Missouri, Arkansas, Kansas, Indian Territory, Dep't of N. W. 10 Ap.-20 Nov.
.733 Campain of 1862 *concluded*
1 South Carolina, Georgia, middle and east Florida 12 Ap. 1862–11 June 1863
2 West Florida, southern Alabama, southern Mississippi, Louisiana 12 May 1862–14 May 1863
Texas, New Mexico, Arizona 20 Sep. 1862–14 May 1863
3 Kentucky, middle and east Tennessee, north Alabama, southwest Virginia 10 June–31 Oct.
4 West Tennessee, northern Mississippi 10 June–20 Jan. 1863
Battle of Corinth, Miss. 3–4 Oct.
5 North Carolina, southeastern Virginia 20 Aug. 1862–3 June 1863
6 Northern Virginia, West Virginia, Maryland, Pennsylvania 3 Sep.–14 Nov.
Battle of South Mountain, Md. 14 Sep.
Battle of Antietam, or Sharpsburg, Md. 16–17 Sep.
7 Kentucky, middle and east Tennessee, north Alabama, southwest Virginia 1 Nov.–20 Jan. 1863
Battle of Stone river, or Murfreesboro, Tenn. 31 Dec. 1862–3 Jan. 1863
8 Northern Virginia, West Virginia, Maryland, Pennsylvania 15 Nov.–25 Jan. 1863
9 Battle of Fredericksburg, Va. 11–15 Dec.
.734 Campain of 1863
1 Missouri, Arkansas, Kansas, Indian Territory, Dep't of Northwest 20 Nov. 1862–31 Dec. 1863
2 Kentucky, middle and east Tennessee, north Alabama, southwest Virginia 21 Jan.–10 Aug.
Middle Tennessee, or Tullahoma campain 23 June–7 July
Morgan's Ohio raid 2–26 July
3 Mississippi, west Tennessee 20 Jan.–10 Aug.
4 Siege of Vicksburg, Miss. 19 May–4 July
5 Northern Virginia, West Virginia, Maryland, Pennsylvania 26 Jan.–3 June
6 Chancellorsville, Va. campain 27 Ap.–6 May
7 West Florida, southern Alabama, southern Mississippi, Louisiana, Texas, New Mexico 14 May–31 Dec.
Siege of Port Hudson, La. 21 May–8 July
8 North Carolina, Virginia, West Virginia, Maryland, Pennsylvania Dep't of East 3 June–3 Aug.
9 Battle of Gettysburg, Pa. 1–3 July

973.735 Campain of 1863 *concluded*
1 South Carolina, Georgia, middle and east Florida 12 June–31 Dec.
Operations on Morris iland, S. C. 10 July–7 Sep.
Occupation of Battery Wagner, S. C. 6–7 Sep.
Bombardment of Fort Sumter, S. C. 17 Aug.–31 Dec.
Bombardment of Charleston, S. C. 21 Aug.–31 Dec.
3 North Carolina, Virginia, West Virginia, Maryland, Pennsylvania 4 Aug.–31 Dec.
Bristoe, Va. campain 9–22 Oct.
Mine Run, Va. campain 26 Nov.–2 Dec.
4 Kentucky, southwest Virginia, Tennessee, Mississippi, north Alabama, north Georgia 11 Aug.–19 Oct.
5 Chickamauga, Ga. campain 16 Aug.–22 Sep.
Battle of Chickamauga, Ga. 19–20 Sep.
6 East Tennessee campain 16 Aug.–19 Oct.
7 Kentucky, southwest Virginia, Tennessee, Mississippi, north Alabama, north Georgia 20 Oct.–31 Dec.
8 Knoxville, Tenn. campain 4 Nov.–23 Dec.
Siege of Knoxville, Tenn. 17 Nov.–4 Dec.
9 Chattanooga-Ringgold campain 23–27 Nov.
Battle of Lookout mountain, Tenn. 24 Nov.
Battle of Missionary ridge, Tenn. 25 Nov.
.736 Campain of 1864
1 Kentucky, southwest Virginia, Tennessee, Mississippi, Alabama, north Georgia 1 Jan.–30 Ap.
Meridian, Miss. expedition 3 Feb.–6 Mar.
Forrest's expedition into west Tennessee and Kentucky 16 Mar.–14 Ap.
Capture of Fort Pillow, Tenn. 12 Ap.
2 N. Carolina, Virginia, W. Va. Maryland, Pennsylvania 1 Jan.–30 Ap.
Expedition against New Berne, N. C. 28 Jan.–10 Feb.
Engagement at Morton's Ford, Va. 6–7 Feb.
Kilpatrick's expedition against Richmond, Va. 28 Feb.–4 Mar.
3 Louisiana, trans-Mississippi 1 Jan.–30 June
Red river, La. campain 10 Mar.–22 May
Camden, Ark. expedition 23 Mar.–3 May
4 South Carolina, Florida, Georgia coast 1 Jan.–13 Nov.
Charleston, S. C. harbor and vicinity
Florida expedition 5–22 Feb.
Engagement at Olustee or Ocean Pond, Fla. 20 Feb.
5 Southeastern Virginia, North Carolina 1 May–12 June
Engagement at Proctor's Creek and Drewry's Bluff or Fort Darling, Va. 12–16 May
Operations on the Bermuda Hundred, Va. front 17 May–2 June
Engagement at Petersburg, Va. 9 June
6 Battle of the Wilderness, Va. 5–7 May
7 Operations about Spottsylvania Court-House, Va. 8–21 May
8 Operations at and about Cold Harbor, Va. 31 May–12 June
9 Northern Virginia, West Virginia, Maryland, Pennsylvania 1 May–3 Aug.
Engagement at New Market, Va. 15 May
Lynchburg, Va. campain 26 May–29 June
Battle of the Monocacy, Md. 9 July
Action near Fort Stevens, D. C. 12 July

973.737 Campain of 1864 *concluded*
1 Northern Georgia 1 May–8 Sep.
Atlanta, Ga. campain
Battle of Atlanta, Ga. 22 July
2 Kentucky, southwest Virginia, Tennessee, Mississippi, Alabama north Georgia 1 May–13 Nov.
Engagement at Harrisburg, near Tupelo, Miss. 14–15 July
Operations in Mobile bay, Ala. 2–23 Aug. See 973.754
Engagement at Allatoona, Ga. 5 Oct.
3 Southeastern Virginia, North Carolina 13 June–31 July
Richmond, Va. campain
Assaults on the Petersburg lines 15–18 June
Explosion of the mine and assault on the crater 30 July
4 Louisiana, trans-Mississippi 1 July–31 Dec.
Price's Missouri expedition 29 Aug.–2 Dec.
5 Southeastern Virginia, North Carolina 1 Aug.–31 Dec.
Richmond, Va. campain
Expedition to Fort Fisher, N. C. 7–27 Dec.
6 Northern Virginia, West Virginia, Maryland, Pennsylvania 4 Aug.–31 Dec.
7 Shenandoah valley campain, Va. 7 Aug.–28 Nov.
Battle of Winchester, or the Opequon, Va. 19 Sep.
Battle of Cedar creek, Va. 19 Oct.
8 South Carolina, Georgia, Florida 14 Nov.–31 Dec.
Savannah, Ga. campain, or Sherman's march to the sea 15 Nov.–21 Dec.
9 Kentucky, southwest Virginia, Tennessee, Mississippi, Alabama, north Georgia 14 Nov.–23 Jan. 1865
Battle of Franklin, Tenn. 30 Nov.
Battle of Nashville, Tenn. 15–16 Dec.
.738 Campain of 1865
1 Northern and southeastern Virginia, North Carolina, West Virginia, Maryland, Pennsylvania 1 Jan.–30 June
2 Richmond, Va. campain 1 Jan.–3 Ap.
3 Expedition to and capture of Fort Fisher, N. C. 3–17 Jan.
4 Appomattox, Va. campain 29 Mar.–9 Ap.
Battle of Five Forks, Va. 1 Ap.
Surrender of Gen. Lee 9 Ap.
5 North Carolina, South Carolina, southern Georgia, east Florida 1 Jan.–30 June
Campain of the Carolinas 1 Jan.–26 Ap.
6 Louisiana, trans-Mississippi 1 Jan.–30 June
7 Kentucky, southwestern Virginia, Tennessee, northern and central Georgia, Mississippi, Alabama, west Florida 1 Jan.–30 June
Wilson's raid from Chickasaw to Selma, Ala. and Macon, Ga. 22 Mar.–24 Ap.
8 Mobile, Ala. campain 17 Mar.–4 May
9 Pacific coast 1 Jan. 1861–30 June 1865

973.74 **General military history**

.741 Northern side

1 Regular army

2 Volunteers, quotas

3 Bounties

4 Drafts

5 Negro troops

6 Special armies or corps

Army of the Cumberland
Army of the Potomac
2d army corps
19th army corps etc.

7 Special branches or servises

Cavalry
Artillery
Engineers
Signal servis
Guerrillas
Commissariat

8 General orders

9 Regimental losses

.742 Southern side

Guerrillas

.743 Foren elements

Divided like 940

.744–.749 Separate states and regimental histories

Divided like 974–979; 973.7444, Massachusetts; 973.7447, New York. Under each state arrange books by the following book numbers

A for official publications

A 1 Adjutant-general's reports

A 2 Lists of soldiers

B–D, General works on the part taken by the state in the conflict

B whole state, C county, D town

E Histories of cavalry regiments

F Hevy artillery

G Light artillery

J–L Infantry

J regiments 1–99
K regiments 100–199
L regiments 200–299

The individual regiment is markt by adding its number after the letter; E15, 15th regiment of cavalry; K49, 149th regiment of infantry. When there are more than 9 regiments in any of these groups 0 must be prefixt to the number for the 1st 9, e. g. J09, 9th regiment of infantry; otherwise the 9th regiment of infantry, J9, would be shelvd after the 89th, J89

For the border states which also had regiments on the Confederate side use similarly P–S

O Special brigades

P Cavalry

Q Hevy artillery

R Light artillery

S Infantry

For those states which past ordinances of secession (see list under 973.713) reverse these numbers using E–L for Confederate regiments and P–S for Union regiments

Special numbers must be arranged for unnumberd and peculiarly numberd regiments and companies

973.75 **Naval history**

During the civil war the navy was mainly used as an auxiliary to the army and nearly all naval actions are also described in connection with special campains and battles 973.73 and its subdivisions

.751 Events of 1861

Hatteras inlet, N. C. 28 Aug. See also 973.7316

Port Royal, S. C. 7 Nov. See also 973.7319

Belmont, Mo. 7 Nov. See also 973.7315

Trent affair 8 Nov. See also 973.722

.752 Events of 1862

Fort Henry, Tenn. 6 Feb. See also 973.7322

Roanoke iland, N. C. 7–8 Feb. See also 973.7324

Fort Donelson, Tenn. 14 Feb. See also 973.7322

Monitor and Merrimac 8–9 Mar.

Island nr 10, Ky. 16 Mar.–8 Ap. See also 973.7325

New Orleans, La. 18 Ap.–1 May See also 973.7321

Memphis, Tenn. 6 June See also 973.7325

.753 Events of 1863

Charleston, S. C. 7 Ap. See also 973.7331

Vicksburg, Miss. 16 Ap. See also 973.7343

Grand Gulf, Miss. 29 Ap. See also 973.7343

.754 Events of 1864

Red river, La. expedition 10 Mar.–22 May See also 973.7363

Sassacus and Albemarle, Albemarle sound, N. C. 5 May See also 973.7365

Alabama and Kearsarge, off Cherbourg, France 19 June

Mobile bay, Ala. 5–22 Aug. See also 973.7372

Fort Fisher, N. C. 24 Dec. See also 973.7375

.755 Events of 1865

Fort Fisher, N. C. 14–15 Jan. See also 973.7383

.756 History of special squadrons or ships

Atlantic squadron

Gulf squadron

.757 Confederate navy

Including the history of special squadrons or ships

Alabama

Shenandoah

Florida

.758 Blockade and blockade running

.759 Privateers

.76 **War meetings, celebrations, anniversaries, commemorations**

See note under 973.36

For patriotic societies commemorating the civil war see 369.15–.17

.761 War meetings

.762

.763 Flags; presentations of flags; Battle-flag day

.764

.765 Monuments, memorials See also 718

.766

.767 Rolls of honor Lists of ded For national cemeteries, see 718.8

.768 Memorial day

973.77 Prisons, hospitals, charities, etc.
.771 Southern prisons, prison life
1 Andersonville
2 Libby prison
.772 Northern prisons
.773 Exchange of prisoners, paroles
.774
.775 Medical dep't, surgeons, nurses For military surgery see 617.99
.776 Hospitals, hospital sketches
.777 Charities
For Soldiers homes, see 362.8
Soldiers orphan asylums, see 362.75
Freedmen's bureau, see 361.3
Pensions, see 351.5
1 U. S. sanitary commission
2 Sanitary fairs
.778 Religious life, chaplains, revivals
1 U. S. Christian commission See also 267.11
.78 **Personal narrativs, vindication, secret servis**
Personal narrativs when relating to some special battle or event should be clas according to their subject
.781 Personal narrativs, northern side
Including volumes of G. A. R. papers and Loyal legion
.782 Personal narrativs, southern side
.783 Army life
.784 Southern army life, southern home life
.785 Secret servis, spies
.786 Southern side
.79 **Illustrativ material**
See note under 973.39
.791 Poetry
.792 Drama
.793 Fiction
.794 Addresses
.795 Sermons
.796 Humor
.797 Pictures
Paintings, drawings, caricatures, engravings, fotografs, sculpture
.798 Music
.799 Maps
.8 **Later 19th century** 1865–1901
Period of reconstruction and civil servis reform
.81 **Andrew Johnson** 15 Ap. 1865–4 Mar. 1869
Born 29 Dec. 1808; died 31 July 1875
13th amendment abolishing slavery, adopted 18 Dec. 1865
See also 326.8 and 342.739
Fenian invasion of Canada 31 May–2 June 1866 See also 971.048
Nebraska admitted, 37th state 1 Mar. 1867 See 978.2
Cession of Alaska by Russia 20 June 1867
Impeachment of Pres. Johnson Mar.–May 1868 See 351.99
14th amendment guarantecing citizenship, adopted 28 July 1868
See 342.739

973.82 **Ulysses Simpson Grant** **4 Mar. 1869–4 Mar 1877**
Born 27 Ap. 1822; died 23 July 1885
Treaty for annexation of Santo Domingo, signd 29 Nov. 1869; rejected by senate 30 June 1870 See also 972.93
15th amendment guaranteeing suffrage, adopted 30 Mar. 1870
See 324.15 and 342.739
First provision for civil servis reform 3 Mar. 1871 See also 351.6
Geneva arbitration award 14 Sep. 1872 See 341.6; 973.722; 973.757
Northwestern or San Juan boundary decision, Emperor William I of Germany, arbitrator 23 Oct. 1872
Crédit mobilier investigation Dec. 1872–Feb. 1873
Coinage act 12 Feb. 1873 See 332.47
Modoc war, California Nov. 1872–June 1873
Financial panic 19–30 Sep. 1873 See 332
Virginius incident Oct.–Dec. 1873
Whisky ring 1872–75 See 336.73
Civil rights act 1 Mar. 1875
Colorado admitted, 38th state 1 Aug. 1876 See 978.8
Centennial exposition, Philadelphia 10 May–10 Nov. 1876 See 606
Electoral commission Feb. 1877

.83 **Rutherford Birchard Hayes** **4 Mar. 1877–4 Mar. 1881**
Born 4 Oct. 1822; died 17 Jan. 1893
Halifax fishery award 23 Nov. 1877
Bland silver act 28 Feb. 1878 See 332.47
Resumption of specie payment 1 Jan. 1879 See 332.52 and 336.73

.84 **James Abram Garfield** **4 Mar. 1881–19 Sep. 1881**
Born 19 Nov. 1831; died 19 Sep. 1881

Chester Alan Arthur **19 Sep. 1881–4 Mar. 1885**
Born 5 Oct. 1830; died 18 Nov. 1886
International cotton exposition 5 Oct.–31 Dec. 1881 See 606
Edmund act to suppress poligamy 22 Mar. 1882 See also 289.3
Pendleton civil servis reform act 11 Jan. 1883 See 351.6

.85 **Grover Cleveland** **4 Mar. 1885–4 Mar. 1889**
Born 18 Mar. 1837; died 24 June 1908
Act regulating the presidential succession 19 Jan. 1886 See 353.03
Mexican war pension act 29 Jan. 1887 See 351.5
Act creating Interstate commerce commission 4 Feb. 1887 See 385
Dependent pension bil vetoed 11 Feb. 1887 See 351.5
Centennial anniversary of Constitution, Philadelphia, Pa. 15–17 Sep. 1887
Act to establish the Labor dep't 13 June 1888 See 331.06173
Fisheries treaty, signd 15 Feb. 1888; rejected by senate 21 Aug. 1888
See 333.91 and 341.273
Act to make Agriculture dep't an executiv dep't 9 Feb. 1889
See also 630.6173 and 353.8

973.86 **Benjamin Harrison** **4 Mar. 1889–4 Mar. 1893**
Born 20 Aug. 1833; died 13 Mar. 1901
Opening of Oklahoma 2 Ap. 1889 See 976.6
North Dakota admitted, 39th state 2 Nov. 1889 See 978.4
South Dakota admitted, 40th state 2 Nov. 1889 See 978.3
Montana admitted, 41st state 8 Nov. 1889 See 978.6
Washington admitted, 42d state 11 Nov. 1889 See 979.7
International Amer. conference 2 Oct. 1889–19 Ap. 1890 See 341.1
Idaho admitted, 43d state 3 July 1890 See 979.6
Wyoming admitted, 44th state 10 July 1890 See 978.7
Sherman silver act, repealing silver act of 1878 14 July 1890
See 332.47
McKinley tarif act 1 Oct. 1890 See 337
Controversy with Chile Oct. 1891–July 1892 See 983
Geary Chinese exclusion act 5 May 1892 See 325.251
Bering sea arbitration treaty 23 Aug. 1892
Hawaiian annexation treaty sent to senate, 15 Feb. 1893; withdrawn, 9 Mar. 1893 See 996.9

.87 **Grover Cleveland, second term** **4 Mar. 1893–4 Mar. 1897**
World's Columbian exposition, Chicago 1 May–30 Oct. 1893
See 606
Decision of Bering sea court of arbitration 15 Aug. 1893
Voorhees silver act 1 Nov. 1893 See 332.47
Wilson tarif act 27 Aug. 1894 See 337
Income tax law decided unconstitutional by U. S. supreme court 8 Ap. 1895 See 336.24
U. S. commission on boundary between Venezuela and British Guiana appointed 1 Jan. 1896 See 987
Utah admitted, 45th state 4 Jan. 1896 See 979.2

.88 **William McKinley** **4 Mar. 1897–14 Sep. 1901**
Born 29 Jan. 1844; died 14 Sep. 1901
Dingley tarif act 24 July 1897
Annexation of Hawaii 7 July 1898

.89 War with Spain
War declared 21 Ap. 1898
Protocol signd 12 Aug. 1898
Treaty of peace signd at Paris, 10 Dec. 1898; ratified, 11 Apr. 1899

.891 Political history; causes, results
Spanish misrule in Cuba
Destruction of battleship Maine 15 Feb. 1898
Acquisition of Philippines and Puerto Rico

.892 Diplomatic history

.893 Special campains and battles
Siege of Santiago 22 June–17 July 1898
Battle of El Caney 1 July 1898

.894 General military history May be subdivided like 973.74

.895 Naval history
Battle of Manila 1 May 1898
Sinking of the Merrimac 3 June 1898
Destruction of Cervera's squadron 3 July 1898

.896 War meetings, celebrations, anniversaries
See note under 973.36
For patriotic societies commemorating the war with Spain see 369.181–.183

.897 Prisons, hospitals, etc.

.898 Personal narrativs

.899 Illustrativ material
See note under 973.39

973.9 20th century– 1901–

.91 **Erly 20th century** 1901–

.911 **Theodore Roosevelt** **14 Sep. 1901–4 Mar. 1909**

Born 27 Oct. 1858; died 6 Jan. 1919

Oklahoma admitted, 46th state 16 Nov. 1907 See 976.6

.912 **William Howard Taft** **4 Mar. 1909–4 Mar. 1913**

Born 15 Sep. 1857; died 8 Mar. 1930

New Mexico admitted, 47th state 6 Jan. 1912 See 978.9

Arizona admitted, 48th state 14 Feb. 1912 See 979.1

16th amendment, authorizing income taxes, adopted 25 Feb. 1913

.913 **Woodrow Wilson** **4 Mar. 1913–4 Mar. 1921**

Born 28 Dec. 1856; died 3 Feb. 1924

The World war, begun with Austria's declaration of war against Serbia, 28 July 1914, was formally enterd by United States with a declaration of war against Germany, 6 Ap. 1917; armistice signd by the Germans 11 Nov. 1918; treaty of Versailles signd by treaty plenipotentiaries of Germany and the Allied Powers 28 June 1919; treaties with Germany, Austria and Hungary ratified by United States senate 18 Oct. 1921.

17th amendment; authorizing election of U S senators by direct popular vote, adopted 31 May 1913

Federal trade commission act 5 Aug. 1914

Panama canal opend 15 Aug. 1914

Danish West Indies bought 17 Jan. 1917

18th amendment (liquor prohibition) adopted 29 Jan. 1919

19th amendment; authorizing woman suffrage, adopted 18 Aug. 1920

.914 **Warren Gamaliel Harding** **4 Mar. 1921–2 Aug. 1923**

Born 2 Nov. 1865; died 2 Aug. 1923

Immigration act 19 Aug. 1921

Washington conference 12 Nov. 1921–6 Feb. 1922

.915 **Calvin Coolidge** **2 Aug. 1923–4 Mar. 1929**

Born 4 July 1872; died 5 Jan. 1933

Dawes commission 1924

.916 **Herbert Clark Hoover** **4 Mar. 1929–4 Mar. 1933**

Born 10 Aug. 1874

.917 **Franklin Delano Roosevelt** **4 Mar. 1933–**

Born 30 Jan. 1882

974 Northeastern or North Atlantic New England

.1 Maine

Admitted 15 Mar. 1820 as 23d state
Area 33,040 sq. mi. 16 counties
Sobriquets: Pinetree state, Polar Star state Capital: Augusta

.11 Aroostook
.12 Somerset
.125 Piscataquis
.13 Penobscot
.14 Washington
.145 Hancock
.15 Waldo
.153 Knox
.157 Lincoln
.16 Kennebec
.17 Franklin
.175 Oxford
.18 Androscoggin
.185 Sagadahoc
.19 Cumberland
.191 *Portland*
.195 York

.2 New Hampshire

Area 9341 sq. mi. 10 counties
Sobriquet: Granit state Capital: Concord

.21 Coos
.22 *White mts*
.23 Grafton
.24 Carroll
.245 Belknap
.25 Strafford
.26 Rockingham
.27 Merrimac
.275 Sullivan
.28 Hillsboro
.29 Cheshire

.3 Vermont

Area 9564 sq. mi. 14 counties
Sobriquet: Green Mt state Capital: Montpelier

.31 Grand Isle
.313 Franklin
.317 Chittenden
.32 Orleans
.325 Essex
.33 Caledonia
.335 Lamoille
.34 Washington
.35 Addison
.36 Orange
.365 Windsor
.37 Rutland
.38 Bennington
.39 Windham

974.4 **Massachusetts**

Area 8266 sq. mi. 14 counties
Sobriquet: Bay state Capital: Boston

.41 Berkshire
.42 Franklin
.423 Hampshire
.426 Hampden
.43 Worcester
.44 Middlesex
.45 Essex
.46 Suffolk
.461 *Boston*
.47 Norfolk
.48 Plymouth
.485 Bristol
.49 Barnstable
.494 Dukes
.497 Nantucket

.5 **Rhode Island**

Area 1248 sq. mi. 5 counties
Sobriquet: Little Rhody Capital: Providence

.51 Providence
.52 *Providence* (city)
.53 *Pawtucket* "
.54 Kent
.55 Bristol
.56 Newport
.57 *Newport* (city)
.58 *Block iland*
.59 Washington

.6 **Connecticut**

Area 4965 sq. mi. 8 counties
Sobriquet: Wooden Nutmeg state Capital: Hartford

.61 Litchfield
.62 Hartford
.63 *Hartford* (city)
.64 Tolland
.645 Windham
.65 New London
.66 Middlesex
.67 New Haven
.68 *New Haven* (city)
.69 Fairfield

974.7 New York

Area 49,204 sq. mi. 61 counties (exclusiv of Bronx)

Sobriquet: Empire state Capital: Albany

.71 *New York* (city)
.72 Vicinity of New York city
.721 **Long Island**
.722 Kings county
.723 *Brooklyn*
.724 Queens county
5 Nassau "
.725 Suffolk "
.726 Richmond " Staten Island
.727 Westchester "
5 *Bronx boro* (and county)
.728 Rockland county
.73 Southeast counties
.731 Orange, *West Point*
.732 Putnam
.733 Dutchess
.734 Ulster
.735 Sullivan
.736 Delaware
.737 Green
.738 *Catskill mts*
.739 Columbia
.74 Middle east counties
.741 Rensselaer
Troy
.742 Albany
.743 *Albany* (city)
.744 Schenectady
.745 Schoharie
.746 Montgomery
.747 Fulton
.748 Saratoga
.749 Washington
.75 Northern counties
.751 Warren
Lake George
.752 Hamilton
.753 Essex
Adirondaks
.754 Clinton
Lake Champlain
.755 Franklin
.756 St Lawrence
.757 Jefferson
.758 *Thousand Islands*
.759 Lewis

New York

974.76	North central counties
.761	Herkimer
.762	Oneida
.763	*Utica*
.764	Madison
.765	Onondaga
.766	*Syracuse*
.767	Oswego
.768	Cayuga
.769	Seneca
.77	South central counties
.771	Tompkins
.772	Cortland
.773	Chenango
.774	Otsego
.775	Broome
.776	*Binghamton*
.777	Tioga
.778	Chemung
.779	*Elmira*
.78	West central counties
.781	Schuyler
.782	Yates
.783	Steuben
.784	Allegany
.785	Livingston
.786	Ontario
.787	Wayne
.788	Monroe
.789	*Rochester*
.79	Western counties
.791	Orleans
.792	Genesee
.793	Wyoming
.794	Cattaraugus
.795	Chautauqua
.796	Erie
.797	*Buffalo*
.798	Niagara
.799	*Niagara Falls*

974.8 **Pennsylvania**

In territory claimd in 17th century by Sweden and then cald New Sweden or New Swedeland

Area 45,126 sq. ml. 67 counties

Sobriquet: Keystone state Capital: Harrisburg

.81 Southeast counties Philadelphia and Chester group

.811 Philadelphia (co. and city)
.812 Montgomery
.813 Chester
.814 Delaware
.815 Lancaster
.816 Berks
.817 Schuylkill
.818 Dauphin
.819 Lebanon

.82 Eastern counties Bucks group

.821 Bucks
.822 Northampton
.823 Wayne
.824 Pike
.825 Monroe
.826 Carbon
.827 Lehigh

.83 Northeast counties Northumberland group

.831 Northumberland
.832 Luzerne
.833 *Wilkes-Barre*
.834 Susquehanna
.835 Wyoming
.836 Lackawanna
.837 *Scranton*
.838 Columbia
.839 Montour

.84 Southeast central counties Cumberland group

.841 York
.842 Adams
.843 Cumberland
.844 Franklin
.845 Perry
.846 Mifflin
.847 Juniata
.848 Union
.849 Snyder

.85 Northeast central counties East Lycoming group

.851 Lycoming
.852
.853 Center
854 Clinton
855 Potter
.856 Tioga
.857 Bradford
.858
.859 Sullivan

Pennsylvania

974.86 Northwest central counties West Lycoming group

.861 Clearfield
.862 Jefferson
.863 McKean
.864
.865 Elk
.866 Cameron
.867 Warren
.868 Forest
.869 Clarion

.87 Southwest central counties Bedford group

.871 Bedford
.872 Fulton
.873 Huntingdon
.874
.875 Blair
.876 *Altoona*
.877 Cambria
.878
.879 Somerset

.88 Southwest counties Westmoreland group

.881 Westmoreland
.882 Washington
.883 Greene
.884 Fayette
.885 Allegheny
.886 *Pittsburgh*
.887 *Allegheny City*
Annext to Pittsburgh in 1907
.888 Armstrong
.889 Indiana

.89 Northwest counties Allegheny group

.891 Butler
.892 Beaver
.893 Lawrence
.894
.895 Mercer
.896 Venango
.897 Crawford
.898
.899 Erie

.9 **New Jersey**

Area 8224 sq. mi. 21 counties

Sobriquet: Jersey Blue state Capital: Trenton

.91 East Jersey

.92 Northern counties

.921 Bergen
.922
.923 Passaic
.924 *Paterson*
.925
.926 Hudson
.927 *Jersey City*
.928 *Hoboken*

New Jersey

974.93	Central counties
.931	Essex
.932	*Newark*
.933	*Orange*
.934	
.935	
.936	Union
.937	*Elizabeth*
.938	*Rahway*
.94	Southern counties
.941	Middlesex
.942	*New Brunswick*
.943	
.944	Somerset
.945	
.946	Monmouth
.947	
.948	Ocean
.95	West Jersey
.96	Central counties
.961	Burlington
.962	
.963	
.964	
.965	Mercer
.966	*Trenton*
.967	*Princeton*
.97	Northern counties
.971	Hunterdon
.972	*Raritan*
.973	
.974	Morris
.975	
.976	Sussex
.977	
.978	Warren
.98	Upper southern counties
.981	Gloucester
.982	
.983	
.984	Atlantic
.985	
.986	
.987	Camden
.988	*Camden* (city)
.99	Lower southern counties
.991	Salem
.992	*Salem City*
.993	
.994	Cumberland
.995	*Bridgeton*
.996	
.997	
.998	Cape May

975 Southeastern or South Atlantic

Including general works on the South

.1 Delaware

Area 1965 sq. mi.

3 counties

Sobriquets: Blue Hen state, Diamond state Capital: Dover

.11 Newcastle

.12 *Wilmington*

.14 Kent .15 *Dover*

.17 Sussex

.2 Maryland

Area 12,327 sq. mi.

23 counties and Baltimore city

Sobriquet: Old Line state Capital: Annapolis

.21 Eastern Maryland

.221 Worcester

.223 Somerset

.225 Wicomico

.227 Dorchester

.231 Caroline

.232 Talbot

.234 Queen Annes

.236 Kent

.238 Cecil

.24 Southern Maryland

.241 St Marys

.244 Calvert

.247 Charles

.251 Prince Georges

.255 Anne Arundel

.256 *Annapolis*

.26 *Baltimore* (city)

.27 North central

.271 Baltimore

.274 Harford

.277 Carroll

.281 Howard

.284 Montgomery

.287 Frederick

.288 *Frederick* (city)

.29 Western

.291 Washington

.292 *Hagerstown*

.294 Allegany

.295 *Cumberland*

.297 Garrett

.3 District of Columbia, Washington (city)

Area 70 sq. mi.

975.4 West Virginia

19 June 1863 admitted as 35th state Area 24,780 sq. mi.
55 counties
Sobriquet: Panhandle state Capital: Charleston

OUTLINE

.41	**Ohio valley**
.411	Northern Panhandle
.42	Little Kanawha valley
.43	Kanawha valley
.44	Southwestern border counties
.441	Guyandotte valley
.446	Tug valley
.45	**Central plateau**
.451	Monongahela valley
.46	Central counties
464	Elk valley
.468	Gauley valley
.47	New River valley
.48	**Alleghany crest** Mountain counties
.481	Cheat valley
.486	Greenbrier valley
.49	Eastern Panhandle Potomac valley

.41 Ohio valley

.411 Northern Panhandle

.412 Hancock
.413 Brooke
.414 Ohio
.415 *Wheeling*
.416 Marshall
.417
.418 Wetzel
.419 Tyler

.42 Little Kanawha valley

.421 Pleasants
.422 Wood
.423 *Parkersburg*
.424 Ritchie
.425
.426 Wirt
.427 Gilmer
.428
.429 Calhoun

.43 Kanawha valley

.431 Jackson
.432
.433 Mason
.434
.435 Putnam
.436 Roane
.437 Kanawha
.438 *Charleston*
.439 Boone

West Virginia: Ohio valley

975.44 Southwestern border counties
.441 Guyandotte valley
.442 Cabell
.4421 *Huntington*
.443 Lincoln
.444 Logan
.445 Wyoming
.446 Tug valley
.447 Wayne
.448 Mingo
.449 McDowell
.45 Central plateau
.451 Monongahela valley
.452 Monongalia
.453 *Morgantown*
.454 Marion
.455 Taylor
.456 Doddridge
.457 Harrison
.458 *Clarksburg*
.459 Barbour
.46 Central counties
.461 Lewis
.462 Upshur
.464 Elk valley
.465 Webster
.466 Braxton
.467 Clay
.468 Gauley valley
.469 Nicholas
.47 New River valley
.471 Fayette
.473 Raleigh
.474 Mercer
.476 Summers
.478 Monroe
.48 Alleghany crest Mountain counties
.481 Cheat valley
.482 Preston
.483 Tucker
.484
.485 Randolph
.486 Greenbrier valley
.487 Pocahontas
.488 Greenbrier
.489 *White Sulphur Springs*
.49 Eastern Panhandle Potomac valley
.491 Pendleton
.492 Grant
.493 Hardy
.494 Mineral
.495 Hampshire
.496 Morgan
.497 Berkeley
.498
.499 Jefferson

975.5 Virginia

17 Ap. 1861 seceded; 26 Jan. 1870 readmitted Area 40,262 sq. mi.
100 counties and 20 independent cities
Sobriquets: Old Dominion, Mother of Presidents Capital: Richmond

.51 Atlantic coast
.513 Eastern peninsula counties
.515 Northampton
.516 Accomac
.518 Chesapeake bay
.52 Potomac counties Northern neck
.521 Northumberland
.522 Lancaster
.523 Richmond
.524 Westmoreland
.525 King George
.526 Stafford
.527 Prince William
5 Fauquier
.528 Loudoun
.529 Fairfax
5 Arlington
6 *Alexandria* (city)
.53 Rappahannock-York counties
.531 Mathews
.532 Gloucester
.533 Middlesex
.534 Essex
.535 King and Queen
5 King William
.536 Caroline
5 Spotsylvania
6 *Fredericksburg*
.537 Orange
5 Greene
.538 Madison
.539 Culpeper
5 Rappahannock
.54 York-James counties
.541 Elizabeth City co.
5 Warwick
6 *Newport News*
.542 York
5 James City co.
.543 New Kent
.544 Charles City co.
.545 Henrico
1 *Richmond* (city)
5 Goochland
.546 Hanover
5 Louisa
.547 Fluvanna
.548 Albemarle
1 *Charlottesville*
.549 Nelson
6 Amherst

Virginia

975.55 Southeastern counties
- .551 Princess Anne
- .552 Norfolk
  - 1 *Norfolk* (city)
  - 2 *Portsmouth*
- .553 Nansemond
  - 1 *Suffolk*
- .554 Isle of Wight
- .555 Southampton
- .556 Surry
  - 5 Sussex
- .557 Greensville
  - 5 Brunswick
- .558 Dinwiddie
  - 1 *Petersburg*
  - 5 Prince George
  - 6 *Hopewell*
- .559 Chesterfield

.56 South central counties
- .561 Powhatan
  - 5 Cumberland
- .562 Buckingham
  - 5 Appomattox
- .563 Prince Edward
  - 4 Amelia
  - 7 Nottoway
- .564 Lunenburg
  - 5 Mecklenburg
- .565 Charlotte
- .566 Halifax
  - 5 Pittsylvania
  - 6 *Danville*
- .567 Campbell
  - 1 *Lynchburg*
  - 5 Bedford
- .568 Franklin
- .569 Henry
  - 5 Patrick

Virginia

975.57	Southwestern counties	
.571	Floyd	
4	Carroll	
7	Grayson	
.572	Smyth	
5	Washington	
6	*Bristol*	
.573	Scott	
5	Lee	
.574	Wise	
5	Dickenson	
.575	Buchanan	
5	Russell	
.576	Tazewell	
5	Bland	
.577	Wythe	
5	Pulaski	
.578	Giles	
5	Montgomery	
6	*Radford*	
.579	Roanoke	
1	*Roanoke* (city)	
5	Craig	
.58	Central western counties	
.581	Alleghany	
1	*Clifton Forge*	
.583	Botetourt	
.585	Rockbridge	
1	*Buena Vista*	
.587	Bath	
.589	Highland	
.59	Northwestern counties	Shenandoah valley
.591	Augusta	
1	*Staunton*	
.592	Rockingham	
1	*Harrisonburg*	
.594	Page	
.595	Shenandoah	
.597	Warren	
.598	Clarke	
.599	Frederick	
1	*Winchester*	

975.6 **North Carolina**

20 May 1861 seceded; 25 June 1868 readmitted. Area 52,426 sq.mi. 100 counties. Sobriquets: Old North, Turpentine or Tar Heel state. Capital: Raleigh (975.6551)

.61 Coastal plain Eastern counties

Flatwoods district

.611 Northeast coastal plain North Atlantic coast counties

.612 **Albemarle Sound**
.613 Currituck
5 Camden
.614 Pasquotank
1 *Elizabeth City*
4 Perquimans
7 Chowan
.615 Gates
5 Hertford
.616 Bertie
5 Washington
.617 Tyrrell
5 Dare Roanoke Island
.618 **Pamlico Sound**
2 Hyde
6 Beaufort
.619 Craven
1 *New Bern*
4 Pamlico
7 Carteret

.62 Southeast coastal plain South Atlantic coast counties

Cape Fear section

.621 Jones
.623 Onslow
.625 Pender
.627 New Hanover
1 *Wilmington*
.629 Brunswick

.63 Southwest coastal plain Sandhil counties

.631 Columbus
.632 Bladen
.633 Robeson
5 Scotland
.634 Richmond
.635 Moore
5 Lee
.636 Harnett
5 Hoke
.637 Cumberland
1 *Fayetteville*
5 Sampson
.638 Duplin
5 Lenoir
6 *Kinston*
.639 Greene
5 Wayne
6 *Goldsboro*

.64 Northwest coastal plain counties

.641 Johnston
.643 Wilson
1 *Wilson* (city)
.644 Pitt
.645 Martin
.646 Edgecomb
9 *Rocky Mount*
.647 Nash
.648 Halifax
.649 Northampton

.65 Piedmont, Plateau or Central counties

.651 Northeast Piedmont counties

.652 Warren
.653 Vance
5 Granville
.654 Franklin
.655 Wake
1 *Raleigh*
.656 Durham
1 *Durham* (city)
5 Orange
.657 Person
5 Caswell
.658 Alamance
.659 Chatham

North Carolina

975.66 Northwest Piedmont counties

.661 Randolph
.662 Guilford
1 *High Point*
2 *Greensboro*
.663 Rockingham
.664 Stokes
.665 Surry
.666 Yadkin
.667 Forsyth
1 *Winston-Salem*
.668 Davidson
.669 Davie

.67 South Piedmont counties

.671 Rowan
1 *Salisbury*
.672 Cabarrus
1 *Concord*
.673 Stanly
.674 Montgomery
.675 Anson
5 Union
.676 Mecklenburg
1 *Charlotte*
.677 Gaston
1 *Gastonia*
5 Cleveland
.678 Lincoln
5 Catawba
.679 Iredell
5 Alexander

.68 Appalachian, Mountain or Western counties

Asheville Plateau, ' Land of the Sky ', Blue Ridge; clas general works on Blue Ridge Mts in 975.5. Pisgah national forest. Clas general works on Appalachian Mts in 975

.681 Northeast Appalachian counties

.682 Wilkes
.683 Alleghany
5 Ashe
.684 Watauga
5 Caldwell
.685 Burke
.686 Avery
.687 Yancey
1 **Mt Mitchell**
5 Madison
.688 Buncombe
1 *Asheville*
.689 McDowell

.69 Southwest Appalachian counties

.691 Rutherford
5 Polk
.692 Henderson
.693 Transylvania
.694 Haywood
Qualla Indian reservation
.695 Jackson
.696 Swain

Great Smoky Mt region; clas general works on Great Smokies and Great Smoky Mt national park in 976.889

.697 Graham
.698 Macon
.6985 Clay
.699 Cherokee

Nantahala national forest

.7 South Carolina

20 Dec. 1860 seceded; 25 June 1868 readmitted. Area 30,989 sq.mi. 46 counties. Sobriquet: Palmetto state. Capital: Columbia (975.7711)

.71 Piedmont plateau Up country

.72 Mountain or Alpin counties

.721 Oconee
Chattooga ridge
.723 Pickens
.725 Anderson
1 *Anderson* (city)
.727 Greenville
1 *Greenville* (city)
.729 Spartanburg
1 *Spartanburg* (city)

South Carolina

975.73 Southwest Piedmont counties
- .731 Laurens
- .733 Greenwood
- 1 *Greenwood* (city)
- .735 Abbeville
- .736 McCormick
- .737 Edgefield
- .738 Saluda
- .739 Newberry

.74 Northeast Piedmont counties
- .741 Union
- .742 Cherokee
- .743 York
- 1 *Rock Hill*
- .745 Lancaster
- .747 Chester
- .749 Fairfield

.75 Coastal plain Low country

.76 Sandhil and Upper pine belt counties: northeast section

To be used as general number for Sandhils and Upper pine belt
- .761 Kershaw
- 1 *Camden*
- .763 Chesterfield
- .764 Marlboro
- .766 Darlington
- .767 Lee
- .769 Sumter
- 1 *Sumter* (city)

.77 Sandhil and Upper pine belt counties: southwest section
- .771 Richland
- 1 *Columbia*
- .772 Calhoun
- .773 Lexington
- .775 Aiken
- 1 *Aiken* (city)
- .776 Barnwell
- .777 Allendale
- .778 Bamberg
- .779 Orangeburg

.78 Lower pine belt and Coast counties: northeast section Pedee section

To be used as general number for Lower pine belt and Coast region
- .781 Clarendon
- .783 Williamsburg
- .784 Florence
- 1 *Florence* (city)
- .785 Dillon
- .786 Marion
- .787 Horry
- .789 Georgetown

.79 Lower pine belt and Coast counties: southwest section
- .791 Charleston
- 1 *Charleston* (city)
- .793 Berkeley
- .794 Dorchester
- .799 Beaufort
- 1 *Beaufort* (city)
- 5 Sea islands

Clas here or under 917.57995 works on the Sea islands as a whole, as wel as on individual islands which ar part of Beaufort county, but clas under 975.791 or 917.5791 Charleston county, works on islands which ar part of that county
- .795 Colleton
- .797 Hampton
- .798 Jasper

975.8 **Georgia**

19 Jan. 1861 seceded; 25 June 1868 readmitted. Area 59,265 sq.mi. 159 counties. Sobriquets: Cracker or Buzzard state, Empire state of the South. Capital: Atlanta (975.8231)

.81 North Georgia

.811 Northeast counties

.812 Rabun
5 Habersham
.813 Stephens
5 Franklin
.814 Banks
5 Jackson
.815 Madison
5 Hart
.816 Elbert
5 Lincoln
.817 Wilkes
5 Oglethorpe
.818 Clarke
1 *Athens*
.819 Oconee
5 Barrow

82 North central counties Appalachian, Highland or Mountain region

Blue Ridge. Clas general works on Appalachian Mts in 975, on Blue Ridge in 975.5

.821 Walton
5 Rockdale
.822 Gwinnett
5 DeKalb
Stone Mt Confederate memorial
.823 Fulton
1 *Atlanta*
4 Milton
Merged with Fulton, 1932
.8237 Campbell
Merged with Fulton, 1932
.824 Douglas
5 Cobb
.825 Cherokee
5 Pickens
.826 Dawson
5 Forsyth
.827 Hall
3 Lumpkin
7 White
.828 Towns

Cherokee national forest: Blue Ridge section. Clas general works on Cherokee national forest in 976.888

5 Union
.829 Fannin
.8295 Gilmer

.83 Northwest counties Valley region

Appalachian Valley, Great Valley. Clas general works on Appalachian Valley in 975

.831 Murray
.832 Whitfield
6 Catoosa
.833 Walker
.834 Dade
Lookout Plateau, Lookout Mts
4 Chattooga
.835 Floyd
1 *Rome*
.836 Gordon
5 Bartow
Cald Cass 1832–61
.837 Paulding
5 Polk
.838 Haralson
.839 Carroll

Georgia

975.84 Middle Georgia Central upland Piedmont region

.841 West central counties

.842 Heard
3 Coweta
6 Fayette
.843 Clayton
5 Henry
.844 Spalding
1 *Griffin*
6 Lamar
.845 Pike
5 Meriwether
.846 Troup
1 *La Grange*
6 Harris
.847 Muscogee
1 *Columbus*
6 Chattahoochee
.848 Marion
3 Talbot
6 Upson
.849 Taylor
5 Schley

.85 Central counties

.851 Macon
5 Houston
.852 Pulaski
5 Bleckley
.853 Dodge
5 Laurens
.854 Wilkinson
5 Twiggs
.855 Bibb
1 *Macon* (city)
6 Peach
.856 Crawford
3 Monroe
7 Jones
.857 Baldwin
6 Putnam
.858 Jasper
Cald Randolph 1807–12. Present Randolph co., 975.893, was organized in 1828
5 Butts
.859 Newton
5 Morgan

.86 East central counties

.861 Greene
6 Taliaferro
.862 Hancock
5 Warren
.863 McDuffie
5 Columbia
.864 Richmond
Formd St Paul's parish til 1777
1 *Augusta*
.865 Burke
Formd St George's parish til 1777
.866 Jefferson
6 Glascock
.867 Washington
6 Johnson
.868 Treutlen
4 Emanuel
.869 Jenkins
5 Screven

.87 South Georgia Coastal plain

.871 Southeast counties

.872 Effingham
Formd St Matthew's and part of St Philip's parishes til 1777
4 Chatham
Formd Christ Church parish till 1777
5 *Savannah*

Georgia

975.873 Bryan
3 Liberty
Formd St John's, St Andrew's and St James' parishes til 1777
7 McIntosh
.874 Glynn
Formd St Patrick's and St David's parishes till 1777
1 *Brunswick*
6 Camden
Formd St Thomas' and St Mary's parishes til 1777
.875 Charlton
Okefenokee
Swamp
3 Brantley
6 Wayne
.876 Long
3 Evans
6 Bulloch
.877 Candler
5 Tattnall
.878 Toombs
4 Appling
7 Bacon
.879 Pierce
4 Ware
5 *Waycross*

.88 South central counties

.881 Clinch
4 Echols
7 Lanier
.882 Atkinson
3 Coffee
7 Jeff Davis
.883 Montgomery
5 Wheeler
.884 Telfair
5 Wilcox

Wire-gras section

.885 Ben Hill
5 Irwin
.886 Berrien
4 Lowndes
5 *Valdosta*
.887 Brooks
6 Cook
.888 Tift
5 Turner
.889 Crisp
5 Dooly

.89 Southwest counties

.891 Sumter
6 Webster
Cald Kinchafoonee 1853-56
.892 Stewart
4 Quitman
7 Clay
.893 Randolph
Jasper co., 975.858, cald Randolph 1807–12. Present Randolph co. organized 1828
5 Terrell
.894 Lee
5 Worth
.895 Dougherty
1 *Albany*
6 Calhoun
.896 Early
4 Miller
.8967 Baker
.897 Mitchell
5 Colquitt
.898 Thomas
1 *Thomasville*
6 Grady
.899 Decatur
6 Seminole

975.9 **Florida**

1512 discoverd by Ponce de Leon; 1565 settled by Spaniards; 22 Feb. 1819 bought of Spain
30 Mar. 1822 organized as territory
3 Mar. 1845 admitted as 27th state
10 Jan. 1861 seceded; 25 June 1868 readmitted Area 54,861 sq. mi.
66 counties
Sobriquets: Everglade, Gulf state Capital: Tallahassee

.91 Northeast counties
.911 Nassau
.912 Duval
1 *Jacksonville*
.913 Baker
.914 Union
.915 Bradford
.916 Clay
.917 Putnam
.918 St Johns
1 *St Augustine*
.919 Flagler
.92 East central counties
.921 Volusia
1 *New Smyrna*
.922 Lake
.923 Seminole
.924 Orange
1 *Orlando*
.925 Osceola
.927 Brevard
.928 Indian River
.929 St Lucie
.93 Southeast coast
.931 Martin
.932 Palm Beach
.935 Broward
.938 Dade
1 *Miami*
.94 Southwest coast
.941 Monroe
1 *Key West*
.944 Collier
.946 Hendry
.948 Lee
.949 Charlotte

Florida

975.95	South central counties
.951	Glades
.953	Okeechobee
.955	Highlands
.957	Hardee
.959	De Soto
.96	West central counties
.961	Sarasota
.962	Manatee
.963	Pinellas
1	*St Petersburg*
.965	Hillsborough
1	*Tampa*
.967	Polk
.969	Pasco
.97	Northern west central counties
.971	Hernando
.972	Citrus
.973	Sumter
.975	Marion
.977	Levy
.979	Alachua
.98	North central counties
.981	Dixie
6	Lafayette
.982	Suwanee
.983	Columbia
.984	Hamilton
.985	Madison
.986	Taylor
.987	Jefferson
.988	Leon
1	*Tallahassee*
.989	Wakulla
.99	Northwestern counties
.991	Franklin
.992	Liberty
5	Gadsden
.993	Jackson
.994	Calhoun
7	Gulf
.995	Bay
.996	Washington
5	Holmes
.997	Walton
.998	Okaloosa
5	Santa Rosa
.999	Escambia
1	*Pensacola*

976 South Central or Gulf

.1 Alabama

1702 settled by French. 14 Dec. 1819 admitted as 22d state. 11 Jan. 1861 seceded; 25 June 1868 readmitted. Area 51,998 sq.mi. 67 counties. Sobriquets: Land of Flowers; Cotton, Lizard or Yallerhammers state. Capital: Montgomery (976.1471)

.11 Southern Alabama Coastal plain division

.12 Gulf coast counties Southwestern pine hils Lower coastal plain

.121 Baldwin

Coast strip, Mobile delta, Estuarin swamps

1 Mobile Bay

.122 Mobile

1 *Mobile* (city)

.123 Lime hils Piney woods

.124 Washington

5 Clarke

.125 Monroe

.126 Conecuh

5 Escambia

.127 Covington

Cald Jones co. during 1868

.128 Lime sink or Wire-gras region

.129 Geneva

.1295 Houston

.13 Southern red hils Wiregras section Including works on southeast counties

.131 Henry

.132 Barbour

.133 Dale

.134 Coffee

.135 Pike

.136 Crenshaw

.137 Butler

.138 Wilcox

.139 Marengo

5 Choctaw

.14 Black belt, Canebrake or Prairie counties

Chunnennuggee Ridge or Blue marl region, central Alabama

.141 Sumter

.142 Greene

.143 Hale

.144 Perry

.145 Dallas

.146 Autauga

.1465 Lowndes

.147 Montgomery

1 *Montgomery* (city)

.148 Bullock

5 Russell

.149 Macon

.15 Northern Alabama Hil country Mineral or Mountain and valley division

.151 Piedmont region East central counties

.152 Elmore

.153 Tallapoosa

.155 Lee

.156 Chambers

.157 Randolph

.158 Clay

.159 Coosa

Alabama

976.16 Appalachian or Coosa Valley region

Blue Ridge, Raccoon Mts, Limestone valleys. Clas general works on Appalachian Valley in 975, on Blue Ridge in 975.5

.161 Talladega
.163 Calhoun
Cald Benton 1832–58
.164 Cleburne
.165 Cherokee
.166 DeKalb Wills Valley
.167 Etowah
Establisht as Baine co. in 1866, abolisht in 1867, reestablisht as Etowah co. in 1868
.169 St Clair
.17 Coal region or Mineral district
.171 **Plateau section**
Sand mountains
.172 Blount
Murphree's Valley
.173 Cullman
.174 Winston
.175 **Basin section**
.176 Walker
.178 Jefferson
Jones Valley
1 *Birmingham*
.179 Shelby
.18 Central pine belt West central counties
Upper costal plain
.181 Chilton
Cald Baker 1868–71
.182 Bibb
Cald Cahaba 1818–20
.184 Tuscaloosa
.185 Pickens
.186 Lamar
.187 Fayette
.189 Marion
.19 Tennessee Valley counties
Clas general works on Tennessee River in 976.8
191 Franklin
5 Colbert
192 Lawrence
196 Highland Rim The Barrens
Clas general works on Highland Rim in 976.841
.197 Madison
.198 Limestone
.193 Morgan
.194 Marshall
.195 Jackson Brown's Valley
.199 Lauderdale
1 **Muscle Shoals**

976.2 **Mississippi**

7 Ap. 1798 organized as territory; 10 Dec. 1817 admitted as 20th state. 9 Jan. 1861 seceded; 17 Feb. 1870 readmitted. Area 46,865 sq.mi. 82 counties. Sobriquets; Bayou, Eagle or Magnolia state. Capital: Jackson (976.2511)

.21 Mobile district (West Florida) Southeast counties

Clas general works on West Florida in 975.99

.211 **Gulf counties**

Coastal pine meadows, Mississippi Sound

.212 Jackson
.213 Harrison
1 *Biloxi* *Gulfport*
.215 Pearl River
.216 Stone
5 George
.217 Greene
.214 Hancock
.2175 Perry
.218 Forrest
1 *Hattiesburg*
.219 Lamar

.22 Natchez district (West Florida) Southwest counties

Bluf hils. Clas general works on West Florida in 975.99

.221 Marion
.222 Walthall
.223 Pike
.224 Amite
.225 Wilkinson
.226 Adams
1 *Natchez*
.227 Franklin
.228 Jefferson
Cald Pickering 1799–1802
5 Claiborne
.229 Warren
1 *Vicksburg*

.23 Choctaw cessions

.24 **Delta counties**

Yazoo-Mississippi delta or flood plain. Clas general works on Mississippi valley in 977

.241 Issaquena
4 Sharkey
.242 Washington
1 *Greenville*
.243 Bolivar
.244 Coahoma
.245 Quitman
5 Tallahatchie
.246 Leflore
.247 Sunflower
.248 Humphreys
.249 Yazoo

.25 **Long-leaf pine region**

.251 Hinds
1 *Jackson*
.252 Copiah
.253 Lincoln
6 Lawrence
.254 Jefferson Davis
5 Covington
.255 Lones 1 *Laurel*
.256 Jackson Prairie belt
.257 Wayne
5 Jasper
.258 Smith
5 Simpson
.259 Rankin

Mississippi

976.26 Plateau region

See also 976.28 Northern plateau counties

.261 Western plateau counties — Central counties

.262 Madison — .264 Montgomery

5 Holmes — 4 Attala

.263 Carroll — .265 Leake

5 Grenada — 5 Scott

.266 Eastern plateau counties

.267 Newton — .2685 Neshoba

3 Clarke — .269 Winston

6 Lauderdale — 4 Choctaw

7 *Meridian* — 7 Webster

.268 Kemper — Cald Sumner 1874–82

.27 Chickasaw cessions

.28 **Northern plateau counties** — **Northwest counties**

Clas general works on Plateau region in 976.26

.281 Calhoun — .284 Panola — .287 DeSoto

.282 Yalobusha — .285 Tate — .288 Marshall

.283 Lafayette — .286 Tunica — .289 Benton

.29 **Northeast counties**

.291 Flatwoods region — Black Prairie belt

Pontotoc Ridge

.292 Tippah — .294 Chickasaw

5 Union — 5 Clay Cald Colfax 1871–6

.293 Pontotoc — .295 Oktibbeha

5 Lee — 5 Noxubee

.296 Tennessee River hils

Clas general works on Tennessee River in 976.8

.297 Lowndes — .298 Itawamba — .299 Alcorn

1 *Columbus* — 5 Prentiss — 5 Tishomingo

5 Monroe

.3 Louisiana

1699 settled by French. 30 Ap. 1803 bought of France. 1 Oct. 1804 organized as Territory of Orleans. 30 Ap. 1812 Louisiana admitted as 18th state. 26 Jan. 1861 seceded; 25 June 1868 readmitted. Area 48,506 sq.mi. 64 parishes. Sobriquets: Pelican or Creole state. Capital: Baton Rouge (976.3181)

.31 Florida parishes

Baton Rouge district of West Florida. Clas general works on West Florida in 975.99

.311 Washington — .316 East Feliciana

1 *Bogalusa* — .317 West "

.312 St Tammany — .318 East Baton Rouge

.313 Tangipahoa — 1 *Baton Rouge* (city)

.314 Livingston — .319 Ascension

.315 St Helena

Louisiana

976.32 Gulf coast region Southern Louisiana

.33 **Mississippi delta parishes Southeast parishes**

Clas general works on Mississippi River and valley in 977

.331 St James

.332 St John the Baptist

Lake Maurepas, Lac des Allemands

.333 St Charles

'German coast', Lake Salvador or Ouache

.334 **Lake Pontchartrain**

.335 Orleans *New Orleans*

.336 St Bernard

Lake Borgne, Chandeleur Sound, Chandeleur Islands

.337 Plaquemines

Breton Sound, Breton Island and Tern Islands bird reservations

.338 Jefferson Barataria Bay

.339 Lafourche

Timbalier Bay, East Timbalier Island bird reservation

.34 **South central parishes**

.341 Terrebonne

Terrebonne Bay, Atchafalaya or Berwick Bay

.342 St Mary

Cote Blanche Bay

.343 Assumption

.344 Iberville

.345 West Baton Rouge

.349 Iberia

Grand Lake, Marsh Island, Russell Sage or Marsh Island wild life refuge, Shell Keys bird reservation

.3454 Pointe Coupee

.346 St Landry

.347 Lafayette

1 *Lafayette* (city)

.348 St Martin

.35 **Southwest parishes**

.351 Vermilion

Vermilion Bay, White Lake, State and Rainey wild life refuges

.352 Cameron

Grand and Calcasieu Lakes, Rockefeller wild life refuge

.353 Atakapas Prairie

.354 Calcasieu

1 *Lake Charles* (city)

.355 Jefferson Davis

.356 Acadia

.357 Evangeline

.358 Allen

.359 Beauregard

.36 West central parishes

Lower Red River; clas general works on Red River in 976.66. Use as general number for central Louisiana

.361 Vernon

.362 Sabine

.363 DeSoto

.364 Red River

.365 Natchitoches

.366 Winn

.367 Grant

.369 Rapides

1 *Alexandria*

Louisiana

976.37 East central parishes

Ouachita or Washita River; use as general number. See also 976.76 Upper Ouachita (Washita) River

.371 Avoyelles
.373 Concordia
.374 Catahoula
.375 LaSalle Catahoula Lake
.376 Caldwell
.377 Franklin
.379 Tensas

.38 Northeast parishes

Use as general number for northern Louisiana

.381 Madison

Singer wild life refuge

.382 East Carroll
.383 West "
.384 Morehouse
.386 Richland
.387 Ouachita
1 *Monroe*
.389 Union

.39 Northwest parishes

.391 Lincoln
.392 Jackson
.393 Bienville
.394 Claiborne
.396 Webster
.397 Bossier
.399 Caddo Caddo Lake
1 *Shreveport*

.4 Texas

20 Dec. 1835 independence from Mexico declared; 2 Mar. 1836 republic formd. 29 Dec. 1845 annext as 28th state
1 Feb. 1861 seceded; 30 Mar. 1870 readmitted Area 262,398 sq.mi.
253 counties.
Sobriquet: Lone Star state Capital: Austin

.5

.6 Indian Territory Oklahoma

30 June 1834 assignd to Indians (part of Louisiana purchase). 16 Nov. 1907 Oklahoma admitted as 46th state. Area 70,057 sq.mi. 77 counties. Sobriquet: Sooner state. Capital: Oklahoma City (976.6381)

.61 Western Oklahoma

Oklahoma territory 2 May 1890–16 Nov. 1907. Area 38,811 sq.mi. Canadian River; clas here general works on Canadian River including North and South Canadian; see also 976.67 Lower Canadian River

.611 Northwest counties

High plains region

.612 Panhandle

No Man's Land, Neutral strip, Public land strip; Cimarron territory 1887-90

.613 Cimarron
.615 Harper
5 Ellis

Former Day co., abolisht 1907, included present Ellis co. and north part of Roger Mills

.616 Roger Mills

Antelope Hils

.617 Custer

Gypsum Hils region

.6135 Texas
.614 Beaver
.618 Dewey
.619 Woodward

Oklahoma

976.62 North central counties

Cherokee outlet, Cherokee strip; Salt Fork Arkansas River. Clas general works on Arkansas River in 976.73

.621 Woods
.622 Alfalfa
.623 Grant
.624 Kay
.625 Osage
.626 Pawnee
.627 Noble
.628 Garfield
1 *Enid*
.629 Major Glass Mts

.63 Central counties

Redbeds plains region, Cimarron River

.631 Blaine
Stony Hils
.632 Kingfisher
.633 Logan
1 *Guthrie*
State capital 1907–10
.634 Payne
.635 Lincoln
.636 Pottawatomie
1 *Shawnee*
.637 Cleveland
.638 Oklahoma
1 *Oklahoma City*
.639 Canadian

.64 Southwest counties

Upper Red River; clas general works on Red River in 976.66

.641 Caddo Kecche Hils
.642 Washita
.643 Beckham
.644 Greer
.648 Comanche
Wichita Mts, Mt Scott, Wichita national forest and game preserve, Ft Sill military reservation
.649 Cotton
.6445 Harmon
.645 Jackson
.646 Tillman
.647 Kiowa Rainy Mt Range

.65 Eastern Oklahoma

Indian territory 1890–1907. Area 31,246 sq.mi.

.651 South central counties

Washita river

.652 Jefferson
.653 Stephens
.654 Grady
1 *Chickasha*
.655 McClain
.656 Garvin
.657 Murray
Arbuckle Mts, Platt national park
.658 Carter
1 *Ardmore*
.659 Love

.66 Southeast counties

Red River or Coastal plains region. Clas here general works on Red River; see also 976.64 Upper Red River, 976.36 Lower Red River

.661 Marshall
.662 Bryan
.663 Choctaw
.664 McCurtain
.665 Pushmataha Jack Fork Mts
.666 Atoka
.667 Coal
.668 Johnston
.669 Pontotoc

Oklahoma

976.67 Southern east central counties

Sandstone hils region, Lower Canadian River. Clas general works on Canadian River in 976.61

.671 Seminole
.672 Hughes
.673 Okfuskee
.674 McIntosh
.675 Pittsburg
1 *McAlester*
.676 Latimer
.677 Haskell
San Bois Mts
.679 LeFlore
Kiamichi, Poteau and Winding Stair Mts

.68 Northern east central counties

Arkansas River region. Clas general works on Arkansas River in 976.73

.681 Sequoyah
Brushy and Wildhorse Mts
.682 Muskogee
1 *Muskogee* (city)
.683 Okmulgee
1 *Okmulgee* (city)
.684 Creek
1 *Sapulpa*
.686 Tulsa
1 *Tulsa* (city)
.687 Wagner
.688 Cherokee
.689 Adair

.69 Northeast counties

Prairie plains region

.691 Delaware Wet Prairie
.693 Mayes
.694 Rogers
.696 Washington
1 *Bartlesville*
.697 Nowata
.698 Craig
.699 Ottawa

.7 **Arkansas**

4 June 1812 included in Missouri territory (977.8); 2 Mar. 1819 organized as Arkansas territory. 15 June 1836 admitted as 25th state. 6 May 1861 seceded; 22 June 1868 readmitted. Area 53,335 sq.mi. 75 counties. Sobriquets: Bear, Bowie or Wonder state. Capital: Little Rock (976.7731)

.71 Highland area

.711 Ozark plateau region

Clas general works on Ozark Mts in 977.87

.712 **Northwest counties** **Springfield Plateau**

Ozark national forest

.713 Benton
.714 Washington

Loveley co., organized 1827, abolisht 1828, included present Washington co.

.715 Madison
.716 Newton
Boston Mts, Diamond Cave
.717 Carroll
.718 Boone
.719 Marion
5 Searcy

Arkansas

976.72 **North central counties** **Salem plateau**

Black River, White River

.721 Baxter .726 Independence
.722 Fulton .727 Izard
Mammoth Spring .728 Stone
.723 Sharp 5 Cleburne
.724 Randolph .729 Van Buren
.725 Lawrence

.73 Arkansas valley region Northern west central counties

Clas here general works on Arkansas River. See also 976.68 Arkansas River in Okla., 978.14 in Kan., 978.89 in Colo.

.731 Conway Petit Jean state park
.732 Pope .735 Crawford
.733 Johnson .736 Sebastian
.734 Franklin 1 *Ft Smith*
.737 Logan Cald Sarber 1871–5. Mt Magazine
.738 Yell Mt Nebo .739 Perry

.74 Ouachita Mt region Southern west central counties

Ouachita or Arkansas national forest

.741 Garland
1 *Hot Springs* (city) Hot Springs national park
.742 Hot Spring .746 Athens Plateau
.743 Montgomery .747 Sevier
.744 Scott .748 Howard
.745 Polk 5 Pike
.749 Clark

.75 Gulf coastal plain area

.751 Southwest counties
.752 Nevada .756 Miller
.754 Hempstead .757 Lafayette
.755 Little River .759 Columbia

.76 South central counties

Upper Ouachita or Washita River. Clas general works on Ouachita River in 976.37

.761 Union .766 Ouachita
.763 Bradley .767 Dallas
.764 Calhoun .769 Cleveland Cald Dorsey 1873–5

Arkansas

976.77 Central counties

.771 Grant

.772 Saline

.773 Pulaski

1 *Little Rock* *North Little Rock*

.774 Faulkner

.778 Lonoke

.776 White Little Red River

.779 Jefferson

.777 Prairie

1 *Pine Bluff*

.78 Mississippi alluvial plain

Clas general works on Mississippi valley in 977

.781 **Southeast counties**

.782 Lincoln

.785 Desha

5 Drew

.786 Arkansas

.783 Ashley

.787 Monroe

.784 Chicot

.788 Phillips

Lake Chicot

.789 Lee

.79 **Northeast counties**

Crowley's Ridge, St Francis River

.791 St Francis

.796 Poinsett St Francis Lake

.792 Woodruff

.797 Jackson

.793 Cross

.798 Craighead Sunk lands

.794 Crittenden

.799 Greene

.795 Mississippi

5 Clay Cald Clayton 1873–5

Big Lake

.8 Tennessee

1769 settled from Virginia; 14 Dec. 1784 organized by settlers as state of Franklin (or Frankland). 1 June 1796 admitted as 16th state. 8 June 1861 seceded; 24 July 1866 readmitted. Area 42,022 sq.mi. 95 counties. Sobriquets: Big Bend, Volunteer or Hog and Hominy state. Capital: Nashville (976.8551) Tennessee River; clas here general works on Tennessee River; see also 976.83 Western Tennessee River valley, 976.88 Eastern Tennessee River valley, 976.19 Tennessee River valley in Ala., 976.99 Lower Tennessee River

81 West Tennessee

.811 Mississippi valley counties

Clas general works on Mississippi valley in 977

.812 Lake

.816 Lauderdale

Reelfoot Lake

.817 Tipton

.813 Obion

.819 Shelby

.815 Dyer

1 *Memphis*

.82 West Tennessee plain

.821 Fayette

.826 Henderson

.822 Haywood

5 Chester Wisdom co. 1875–9

5 Crockett

.823 Gibson

.827 Madison

.824 Weakley

1 *Jackson*

.825 Carroll

.828 Hardeman

.829 McNairy

Tennessee

976.83 Western Tennessee River valley

Clas general works on Tennessee River in 976.8

.831	Hardin	.834	Henry	.837	Humphrey
.832	Decatur	.835	Stewart	.838	Perry
.833	Benton	.836	Houston	.839	Wayne

.84 Middle Tennessee

Miro district

.841 Highland Rim or plain

Use as general number. See also 976.86 East Highland Rim, 976.196 Highland Rim in Ala., 976.96 Highland Rim in Ky

.842	Lawrence	.8434	Hickman	Duck River
.843	Lewis	.844	Dickson	
.845	Montgomery			

Former Tennessee co., establisht 1788, abolisht 1796, included present Montgomery and Robertson cos.

.846	Cheatham	.848	Trousdale
4	Robertson	4	Macon
.847	Sumner	.849	Clay

.85 Central basin

Cumberland River; clas here general works on Cumberland River; see also 976.961 Upper Cumberland River, 976.9895 Lower Cumberland River

.851	Jackson	.856	Williamson
.852	Smith	.857	Rutherford
.853	DeKalb	.858	Bedford
5	Cannon	5	Marshall
.854	Wilson	.859	Maury
.855	Davidson		
1	*Nashville*		

.86 East Highland Rim

Clas general works on Highland Rim in 976.841

.861	Giles	.864	Coffee	.867	Putnam
.862	Lincoln	.865	Warren	.868	Overton
7	Moore	7	Van Buren	7	Pickett
.863	Franklin	.866	White	.869	Fentress

.87 Cumberland Plateau

South Appalachian plateau. Clas here general works on Cumberland Plateau; see also 976.91 Cumberland Plateau in Ky.

.871	Scott	.876	Bledsoe
.872	Campbell	.877	Sequatchie
.873	Anderson		Sequatchie Valley, Waldens Ridge
	Clinch River		
.874	Morgan	.878	Grundy
.875	Cumberland	.879	Marion

Tennessee

976.88 East Tennessee

Washington and Hamilton district. Eastern Tennessee River valley and Appalachian Mt region, Great Appalachian valley. Clas general works on Tennessee River in 976.8, on Appalachian Mts and valley in 975

.881 Southeast counties

.882 Hamilton

James co., 1871–1919, formd part of present Hamilton co. Chickamauga and Chattanooga national park, Lookout Mt, Missionary Ridge. For Lookout Plateau and Mts see 975.834

.8821 *Chattanooga*

.883 Rhea

6 Meigs

.884 Roane

.885 Knox

1 *Knoxville*

.888 Monroe

Unaka Mts, Cherokee national forest: Unaka Mt section. Clas here general works on Cherokee national forest; see also 975.828 Blue Ridge section

5 Blount

.889 Sevier

Great Smoky Mts, Great Smoky Mt national park. See also 975.696 Great Smokies of N. Car.

5 Cocke

French Broad River, Mt Guyot

.89 Northeast counties

Holston River

.891 Greene Bald Mts

.892 Hamblen

4 Jefferson

.894 Claiborne

Cumberland Mts, Cumberland Gap. Clas general works on Cumberland Mts in 976.9154

6 Hancock

.895 Hawkins

Holston Mts

.896 Sullivan

.899 Johnson

Roan Mts, Stone Mts, Unaka national forest

.886 Loudon

5 McMinn

.887 Bradley

5 Polk

Frog Mts

.893 Grainger

Clinch mts

5 Union

.897 Washington

1 *Johnson City*

.898 Unicoi

4 Carter Iron Mts

976.9 **Kentucky**

1775 settled by Daniel Boone, Transylvania colony establisht; 29 May 1790 territory organized. 1 June 1792 admitted as 15th state. Area 40,598 sq.mi. 120 counties. Sobriquets: Blue Gras or Corn Cracker state, Dark and Bloody Ground. Capital: Frankfort (976.9431)

Ohio River; clas general works on Ohio valley in 977

.91 Kentucky mountains Cumberland Plateau Eastern coal field Eastern Kentucky

Clas general works on Cumberland Plateau in 976.87

.911 **Southern mountain region Southeast counties**

.912 Bell

Originally cald Josh Bell co. Pine Mts, Cumberland state park

5 Knox

.913 Whitley

5 McCreary

.9154 Harlan

Cumberland, Big Black, Little Black and Log Mts. Clas here general works on Cumberland Mts; see also 976.894 Cumberland Mts. in Tenn.

.916 Letcher

5 Knott

.917 Perry

6 Owsley

.914 Laurel

5 Clay Kentucky Ridge

.915 Leslie

.918 Jackson

5 Lee

.919 Breathitt

.92 **Northern mountain region Northeast counties**

Big Sandy, Tug and Lavisa valleys. See also 975.446 Tug Valley, W. Va.

.921 Wolfe

5 Magoffin

.922 Floyd

.923 Pike

.924 Martin

5 Johnson

.925 Morgan

.9255 Elliott

.926 Lawrence

.927 Boyd

1 *Ashland*

.928 Carter

.929 Greenup

5 Lewis

Kentucky

976.93 Bluegras region Northern Kentucky

Kentucky River

.931 **Outer or Northern Bluegras**

Licking River

.932 Mason
5 Bracken
.933 Pendleton
.934 Campbell
1 *Newport*
.935 Kenton
1 *Covington*
.936 Boone
5 Gallatin
.937 Carroll
5 Trimble
.938 Oldham
5 Henry
.939 Owen
5 Grant

.94 **Inner or Southern Bluegras** **Central Kentucky**

.941 Harrison
5 Robertson
7 Nicholas

Blue Licks Battlefield state park

.942 Bourbon
5 Scott

.943 Franklin
1 *Frankfort*
5 Shelby
.944 Jefferson

Beargras region

1 *Louisville*

.945 Bullitt

Salt River, Old Kentucky Home state park

.9895 Spencer
.946 Anderson
5 Woodford
.947 Fayette
1 *Lexington*
.948 Jessamine
.9485 Mercer
.949 Washington
5 Nelson

.95 The Knobs region

.951 Marion
.952 Boyle
5 Garrard
.953 Madison
.954 Clark
.955 Montgomery
5 Bath
.956 Fleming
.957 Rowan
.958 Menifee
5 Powell

Natural Bridge state park

.959 Estill

.96 Pennyroyal region Mississippian plateau Southern Kentucky

The Barrens, Highland Rim, Cavernous limestone area. Clas general works on Highland Rim in 976.841

.961 **East Pennyroyal**

Upper Cumberland River. Clas general works on Cumberland River in 976.85; see also 976.9895 Lower Cumberland River

.962 Rockcastle
5 Lincoln
.963 Pulaski
.964 Wayne
.965 Clinton
5 Russell
.966 Casey

Green River Knobs

.967 Taylor
5 Adair
.968 Cumberland
5 Monroe
.969 Metcalfe
5 Green

Kentucky

976.97 **West Pennyroyal**

.971 Larue

Muldraughs Hil, Lincoln's birthplace national monument

5 Hart Horse Cave

.972 Barren

.973 Allen

5 Simpson

.974 Warren

1 *Bowling Green*

.975 Edmonson

4 **Mammoth Cave**

.9755 Butler

.976 Logan

.977 Todd

Blue and Gray state park

.978 Christian

1 *Hopkinsville*

.979 Trigg

.98 Western coal field or basin

Use as general number for western Kentucky. Green River

.981 Lyon

5 Caldwell

.982 Hopkins

6 McLean

.983 Muhlenberg

5 Ohio

.984 Grayson

5 Hardin

Knox national forest

.985 Meade

4 Breckinridge

.986 Hancock

4 Daviess

5 *Owensboro*

.987 Henderson

1 *Henderson* (city)

.988 Webster

5 Union

.989 Crittenden

.9895 Livingston

Lower Cumberland River. Clas general works on Cumberland River in 976.85; see also 976.961 Upper Cumberland River

.99 Jackson purchase Gulf or Mississippi embayment

Mississippi valley counties; clas general works on Mississippi valley in 977. Lower Tennessee River; clas general works on Tennessee River in 976.8

.991 Marshall

.992 Calloway

.993 Graves

.995 McCracken

1 *Paducah*

.996 Ballard

.997 Carlisle

.998 Hickman

.999 Fulton

977 North Central or Lake

.1 Ohio

19 Feb 1803 admitted as 17th state Area 40,760 sq. mi.
88 counties
Sobriquet: Buckeye state Capital: Columbus

.11 Northwest counties

.111 Williams
5 Fulton
.112 Lucas
.113 *Toledo*
.114 Defiance
.115 Henry
.116 Wood
.117 Paulding
.118 Putnam
.119 Hancock
1 *Findlay*

.12 Central north counties

.121 Ottawa
4 Sandusky
.122 Erie
1 *Sandusky* (city)
.123 Lorain
1 *Lorain* (city)
.124 Seneca
1 *Tiffin*
.125 Huron
.126 Wyandot
.127 Crawford
.128 Richland
1 *Mansfield*
.129 Ashland

.13 Northeast counties

.131 Cuyahoga
132 *Cleveland*
.133 Lake
6 Geauga
.134 Ashtabula
1 *Ashtabula* (city)
.135 Medina
.136 Summit
1 *Akron*
.137 Portage
.138 Trumbull
.139 Mahoning
1 *Youngstown*

Ohio

977.14 Central west counties
- .141 Van Wert
  - 5 Mercer
- .142 Allen
  - 1 *Lima*
- .143 Auglaize
- .144 Hardin
- .145 Shelby
- .146 Logan
  - 5 Champaign
- .147 Darke
- .148 Miami
  - 1 *Piqua*
- .149 Clark
  - 1 *Springfield*

.15 Central counties
- .151 Marion
  - 1 *Marion* (city)
  - 6 Morrow
- .152 Knox
- .153 Union
  - 5 Delaware
- .154 Licking
  - 1 *Newark*
- .155 Madison
- .156 Franklin
- .157 *Columbus*
- .158 Fairfield
- .159 Perry

.16 Central east counties
- .161 Wayne
- .162 Stark
  - 1 *Canton*
  - 3 *Massillon*
- .163 Columbiana
  - 1 *East Liverpool*
- .164 Holmes
- .165 Coshocton
- .166 Tuscarawas
- .167 Carroll
- .168 Harrison
- .169 Jefferson
  - 1 *Steubenville*

Ohio

977.17 Southwest counties
- .171 Preble
- .172 Montgomery
- .173 *Dayton*
- .174 Greene
- .175 Butler
  - 1 *Hamilton* (city)
- .176 Warren
  - 5 Clinton
- .177 Hamilton
- .178 *Cincinnati*
- .179 Clermont
  - 6 Brown

.18 Central south counties
- .181 Fayette
  - 5 Pickaway
- .182 Ross
  - 1 *Chillicothe*
- .183 Hocking
  - 7 Vinton
- .184 Highland
  - 7 Pike
- .185 Jackson
- .186 Adams
- .187 Scioto
  - 1 *Portsmouth*
- .188 Lawrence
  - 1 *Ironton*
- .189 Gallia

.19 Southeast counties
- .191 Muskingum
  - 1 *Zanesville*
- .192 Guernsey
- .193 Belmont
- .194 Morgan
- .195 Noble
- .196 Monroe
- .197 Athens
- .198 Washington
  - 1 *Marietta*
- .199 Meigs

977.2 **Indiana**

1809 Indiana territory with present boundaries establisht
11 Dec. 1816, Indiana admitted as 19th state
92 counties Area 36,350 sq. mi
Sobriquet: Hoosier state Capital: Indianapolis

.21 Southeast counties
.211 Dearborn
.212 Ohio
5 Switzerland
.213 Jefferson
.214 Ripley
.215 Franklin
.216 Decatur
.217 Jennings
.218 Scott
5 Clark
6 *Jeffersonville*
.219 Floyd
New Albany
.22 Central south counties
.221 Harrison
.222 Washington
.223 Jackson
.224 Bartholomew
.225 Brown
5 Monroe
.226 Lawrence
.227 Orange
.228 Crawford
.229 Perry
.23 Southwest counties
.231 Spencer
.232 Warrick
.233 Vanderburg
Evansville
.234 Posey
.235 Gibson
.236 Pike
.237 Dubois
.238 Martin
5 Daviess
.239 Knox
.24 West central counties
.241 Sullivan
.242 Greene
.243 Owen
.244 Clay
.245 Vigo
Terre Haute
.246 Vermilion
5 Parke
.247 Fountain
.248 Montgomery
.249 Putnam

Indiana

977.25 Central counties
.251 Morgan
5 Johnson
.252 Marion
Indianapolis
.253 Hendricks
.254 Boone
.255 Clinton
5 Tipton
.256 Hamilton
.257 Madison
Anderson
.258 Hancock
.259 Shelby
.26 East central counties
.261 Rush
.262 Fayette
5 Union
.263 Wayne
Richmond
.264 Henry
.265 Delaware
Muncie
.266 Randolph
.267 Jay
.268 Blackford
.269 Grant
.27 Northeast counties
.271 Huntington
.272 Wells
.273 Adams
.274 Allen
Fort Wayne
.275 Whitley
.276 Noble
.277 Dekalb
.278 Steuben
.279 Lagrange
.28 Central north counties
.281 Elkhart
.282 Kosciusko
.283 Wabash
.284 Miami
.285 Howard
.286 Cass
Logansport
.287 Fulton
.288 Marshall
.289 St Joseph
South Bend

Indiana

977.29 Northwest counties
- .291 Laporte
  - *Michigan City*
- .292 Starke
- 5 Pulaski
- .293 White
- .294 Carroll
- .295 Tippecanoe
  - *Lafayette*
- .296 Warren
- .297 Benton
- 4 Newton
- 7 Jasper
- .298 Porter
- .299 Lake

.3 Illinois

1809 Illinois territory formd 3 Dec. 1818 Illinois admitted as 21st state
Area 56,043 sq. mi. 102 counties
Sobriquet: Prairie state Capital: Springfield

- .31 Cook
  - .311 *Chicago*
- .32 Northeast counties
  - .321 Lake
  - .322 McHenry
  - .323 Kane
    - *Aurora*
    - *Elgin*
  - .324 DuPage
  - .325 Will
    - *Joliet*
  - .326 Kendall
  - 5 Grundy
  - .327 LaSalle
    - *Streator*
  - .328 Dekalb
  - .329 Boone
- .33 Northwest counties
  - .331 Winnebago
    - *Rockford*
  - .332 Ogle
  - .333 Stephenson
    - *Freeport*
  - .334 Jo Daviess
  - 5 Carroll
  - .335 Whiteside
  - .336 Lee
  - .337 Bureau
  - 5 Putnam
  - .338 Henry
  - .339 Rock Island
    - *Rock Island* (city)
    - *Moline*
  - 5 Mercer

Illinois

977.34 West central counties
- .341 Henderson
- 5 Warren
- .342 McDonough
- .343 Hancock
- .344 Adams
  - *Quincy*
- .345 Pike
- 5 Scott
- .346 Morgan
  - *Jacksonville*
- 5 Cass
- .347 Brown
- 5 Schuyler
- .348 Fulton
- .349 Knox

35 Central counties
- .351 Stark
- 5 Marshall
- .352 Peoria
  - *Peoria* (city)
- .353 Woodford
- .354 Tazewell
- .355 Mason
- 5 Menard
- 356 Sangamon
  - *Springfield*
- .357 Logan
- .358 Macon
  - *Decatur*
- 5 Dewitt
- .359 McLean
  - *Bloomington*

.36 East central counties
- .361 Livingston
- .362 Ford
- .363 Kankakee
- .364 Iroquois
- .365 Vermilion
  - *Danville*
- .366 Champaign
- .367 Piatt
- 5 Moultrie
- .368 Douglas
- .369 Edgar

Illinois

977·37 Southeast counties
- ·371 Clark
- ·372 Coles
- ·373 Cumberland
- ·374 Jasper
- ·375 Crawford
- ·376 Lawrence
- ·377 Richland
- ·378 Wabash
- ·379 1 Edwards
  - 2 Wayne
  - 3 Jefferson
  - 4 Marion
  - 5 Clay
  - 6 Effingham
  - 7 Fayette
  - 8 Shelby

·38 Southwest counties
- ·381 Christian
- ·382 Montgomery
- ·383 Macoupin
- ·384 Greene
- ·385 Calhoun
  - 5 Jersey
- ·386 Madison
  - *Alton*
- ·387 Bond
  - 5 Clinton
- ·388 Washington
- ·389 St Clair
  - *Belleville*
  - *East St Louis*

·39 Southern counties
- ·391 Monroe
- ·392 Randolph
- ·393 Perry
- ·394 Franklin
- ·395 Hamilton
- ·396 White
- ·397 Gallatin
- ·398 Hardin
- ·399 1 Pope
  - 2 Saline
  - 3 Williamson
  - 4 Jackson
  - 5 Union
  - 6 Johnson
  - 7 Massac
  - 8 Pulaski
  - 9 Alexander
    - *Cairo*

977.4 **Michigan**

1805 Organized as separate territory
1837 Admitted
Area 78,915 sq. mi.
83 counties
Sobriquets: Wolverine, Lake state Capital: Lansing

Lower peninsula

.41 Southwest counties
.411 Berrien
.412 Cass
.413 Van Buren
.414 Allegan
.415 Ottawa
.416 Barry
.417 Kalamazoo
.418 *Kalamazoo* (city)
.419 St Joseph
.42 Central south counties
.421 Branch
.422 Calhoun
Battle Creek
.423 Eaton
.424 Clinton
.425 Shiawassee
.426 Ingham
.427 *Lansing*
.428 Jackson
Jackson (city)
.429 Hillsdale
.43 Southeast counties
.431 Lenawee
.432 Monroe
.433 Wayne
.434 *Detroit*
.435 Washtenaw
.436 Livingston
.437 Genesee
.438 Oakland
.439 Macomb
.44 Southeast central counties
.441 St Clair
Port Huron
.442 Lapeer
.443 Sanilac
.444 Huron
.445 Tuscola
.446 Saginaw
Saginaw (city)
.447 Bay
Bay City
West Bay City
Annext to Bay City in April 1905
.448 Midland
.449 Gratiot

Michigan

977.45 Southwest central counties

.451 Isabella
.452 Mecosta
.453 Montcalm
.454 Ionia
.455 Kent
.456 *Grand Rapids*
.457 Muskegon
Muskegon (city)
.458 Newaygo
.459 Oceana
.46 Northwest central counties
.461 Mason
.462 Manistee
Manistee (city)
.463 Benzie
5 Leelanau
.464 Grand Traverse
.465 Kalkaska
.466 Missaukee
.467 Wexford
.468 Lake
.469 Osceola
.47 Northeast central counties
.471 Clare
.472 Gladwin
.473 Arenac
.474 Iosco
.475 Ogemaw
.476 Roscommon
.477 Crawford
.478 Oscoda
.479 Alcona
.48 Northern counties
.481 Alpena
.482 Presque Isle
.483 Montmorency
.484 Otsego
.485 Antrim
.486 Charlevoix
.487 Cheboygan
.488 Emmet
489 Manitou
Annext to Charlevoix and Leelanau in 1896

Michigan

977.49 **Upper peninsula**

.491 Chippewa
.492 Mackinac
5 Luce
.493 Alger
5 Schoolcraft
.494 Delta
.495 Menominee
Menominee (city)
5 Dickinson
.496 Marquette
Ishpeming
.497 Baraga
5 Iron
.498 Gogebic
5 Ontonagon
.499 Houghton
5 Keweenaw
7 Isle Royale
Annexed to Keweenaw in 1897

.5 Wisconsin

1836 organized as territory
29 May 1848, admitted as 30th state Area 56,040 sq. mi.
71 counties
Sobriquet: Badger state Capital: Madison

.51 Northwest counties
.511 Douglas
.512 *Superior*
.513 Bayfield
.514 Burnett
.515 Washburn
.516 Sawyer
.517 Polk
.518 Barron
.519 Rusk (formerly Gates)
Name changed from Gates to Rusk in 1905. Gates organized from Chippewa in 1901

.52 Central north counties
.521 Ashland
Ashland (city)
.522 Iron
.523 Vilas
.524 Price
.525 Oneida
.526 Taylor
.527 Lincoln
.528 Clark
529 Marathon
Wausau

Wisconsin

977.53 Northeast counties
- .531 Forest
- .532 Florence
- .533 Marinette
- .534 *Marinette* (city)
- .535 Langlade
- .536 Shawano
- .537 Oconto
- .538 Waupaca
- .539 Outagamie
  - *Appleton*

.54 Central west counties
- .541 St Croix
- .542 Pierce
- .543 Dunn
- .544 Chippewa
- .545 Eau Claire
- .546 *Eau Claire* (city)
- .547 Pepin
- .548 Buffalo
- .549 Trempealeau

.55 Central counties
- .551 Jackson
- .552 Wood
- .553 Portage
- .554 Monroe
- .555 Juneau
- .556 Adams
- .557 Waushara
- .558 Marquette
- .559 Green Lake

.56 Central east counties
- .561 Brown
  - *Green Bay* (city)
- .562 Kewaunee
- .563 Door
- .564 Winnebago
- .565 *Oshkosh*
- .566 Calumet
- .567 Manitowoc
  - *Manitowoc* (city)
- .568 Fond du Lac
  - *Fond du Lac* (city)
- .569 Sheboygan
  - *Sheboygan* (city)

Wisconsin

977.57 Southwest counties
- .571 La Crosse
- .572 *La Crosse* (city)
- .573 Vernon
- .574 Crawford
- .575 Richland
- .576 Sauk
- .577 Grant
- .578 Iowa
- .579 Lafayette

.58 Central south counties
- .581 Columbia
- .582 Dodge
- .583 Dane
- .584 *Madison*
- .585 Jefferson
- .586 Green
- .587 Rock
- *Janesville*
- .588 *Beloit*
- .589 Walworth

.59 Southeast counties
- .591 Washington
- .592 Ozaukee
- .593 Waukesha
- .594 Milwaukee
- .595 *Milwaukee* (city)
- .596 Racine
- .597 *Racine* (city)
- .598 Kenosha
- .599 *Kenosha* (city)

977.6 **Minnesota**

3 Mar. 1849, organized as territory from Northwest territory (977) and Louisiana purchase (978; see also 976.3 Louisiana). 11 May 1858, east part admitted as 32d state; west part merged in Dakota territory (978.3) 1861. Area 80,858 sq.mi. 87 counties. Sobriquet: Gopher state. Capital: St Paul (977.6581)

.61 Southeast counties

.611 Houston
.612 Winona
.613 Wabasha
.614 Goodhue
.615 Dodge
5 Olmsted
.616 Fillmore
.617 Mower
.618 Freeborn
.619 Steele
5 Waseca

.62 Southwest counties

.621 Blue Earth
.622 Faribault
.623 Martin
5 Jackson
.624 Nobles
.625 Rock
.626 Pipestone
.627 Murray
.628 Cottonwood
.629 Watonwan

.63 Southwest central counties

Minnesota River valley

.631 Brown
.632 Nicollet
.633 Sibley
.634 Renville
.635 Redwood
.636 Lyon
5 Lincoln
.637 Yellow Medicine
.638 Lac Qui Parle
.639 Chippewa

.64 West central counties

.641 Swift
.642 Stevens
.643 Big Stone
5 Traverse
.644 Grant
.645 Douglas
.646 Pope
.647 Stearns
.648 Kandiyohi
.649 Meeker

.65 Southeast central counties

.651 Wright
.652 McLeod
.653 Carver
.654 Scott
.655 LeSeuer
5 Rice
.656 Dakota
.657 Hennepin
9 *Minneapolis*
.658 Ramsey
1 *St Paul*
.659 Washington

Minnesota

977.66 East central counties

.661	Chisago	.666	Sherburne
662	Pine	.667	Benton
.663	Kanabec	.668	Mille Lacs
.664	Isanti	.669	Morrison
.665	Anoka		

.67 Northeast counties

.671	Crow Wing	.672	Aitkin	.673	Carlton

.674 **Lake Superior counties**

.675	Cook	.677	St Louis
.676	Lake	1	*Duluth*
.678	Itasca	.679	Kooehiching

.68 North central counties

.681	Lake of the Woods	.686	Cass
.682	Beltrami	.687	Wadena
.683	Clearwater	.688	Todd
.684	Becker	.689	Ottertail
.685	Hubbard		

.69 Northwest counties

.691	Wilkin	.696	Red Lake
.692	Clay	5	Pennington
.693	Norman	.697	Marshall
.694	Mahnomen	.698	Roseau
.695	Polk	.699	Kittson

.7 **Iowa**

12 June 1838, organized as a territory
28 Dec. 1846, admitted as 29th state Area 56,025 sq. mi.
99 counties
Sobriquet: Hawkeye state Capital: Des Moines

Iowa

977.71 Northwest counties
.711 Lyon
6 Osceola
.712 Dickinson
5 Emmet
.713 Sioux
.714 O'Brien
.715 Clay
5 Palo Alto
716 Plymouth
717 Cherokee
.718 Buena Vista
.719 Pocahontas
.72 Central north counties
.721 Kossuth
.722 Winnebago
.723 Worth
4 Mitchell
.724 Hancock
.725 Cerro Gordo
.726 Floyd
.727 Humboldt
4 Wright
.728 Franklin
.729 Butler
.73 Northeast counties
.731 Howard
5 Chickasaw
.732 Winneshiek
.733 Allamakee
.734 Bremer
.735 Fayette
.736 Clayton
.737 Blackhawk
1 *Waterloo*
.738 Buchanan
5 Delaware
.739 Dubuque
1 *Dubuque* (city)
.74 Central west counties
.741 Woodbury
1 *Sioux City*
.742 Ida
4 Sac
.743 Calhoun
.744 Monona
.745 Crawford
.746 Carroll
6 Greene
.747 Harrison
.748 Shelby
6 Audubon
.749 Guthrie

Iowa

977.75 Central counties
.751 Webster
1 *Fort Dodge*
.752 Hamilton
.753 Hardin
7 Grundy
.754 Boone
6 Story
.755 Marshall
1 *Marshalltown*
.756 Tama
.757 Dallas
.758 Polk
1 *Des Moines*
.759 Jasper
6 Poweshiek
.76 Central east counties
.761 Benton
.762 Linn
1 *Cedar Rapids*
.763 Jones
.764 Jackson
.765 Iowa
5 Johnson
.766 Cedar
.767 Clinton
1 *Clinton* (city)
.768 Muscatine
1 *Muscatine* (city)
.769 Scott
1 *Davenport*
.77 Southwest counties
.771 Pottawattamie
1 *Council Bluffs*
.772 Cass
.773 Adair
.774 Mills
.775 Montgomery
.776 Adams
.777 Fremont
.778 Page
.779 Taylor
.78 Central south counties
.781 Madison
.782 Warren
.783 Marion
.784 Mahaska
.785 Union
6 Clarke
.786 Lucas
5 Monroe
.787 Ringgold
5 Decatur
.788 Wayne
.789 Appanoose

Iowa

977.79 Southeast counties
- .791 Keokuk
- .792 Washington
  - 6 Louisa
- .793 Wapello
  - 1 *Ottumwa*
- .794 Jefferson
- .795 Henry
- .796 Des Moines
  - 1 *Burlington*
- .797 Davis
- .798 Van Buren
- .799 Lee
  - 1 *Keokuk* (city)

.8 Missouri

7 Dec. 1812, organized as a territory — 10 Aug. 1821, admitted as 24th state
Area 69,415 sq. mi. — 114 counties and St Louis
Sobriquets: Bullion state, Iron state — Capital: Jefferson City

.81 Northwest counties
- .811 Atchison
  - 5 Holt
- .812 Nodaway
  - 6 Andrew
- .813 Buchanan
  - 1 *St Joseph*
  - 5 Platte
- .814 Worth
  - 5 Gentry
- .815 Dekalb
  - 5 Clinton
- .816 Clay
- .817 Harrison
- .818 Daviess
  - 5 Caldwell
- .819 Ray

.82 Central north counties
- .821 Mercer
  - 5 Grundy
- .822 Livingston
  - 5 Carroll
- .823 Putnam
  - 5 Sullivan
- .824 Linn
- .825 Chariton
- .826 Schuyler
  - 4 Adair
- .827 Macon
- .828 Randolph
  - 1 *Moberly*
  - 5 Howard
- .829 Boone

Missouri

977.83 Northeast counties
.831 Scotland
5 Knox
.832 Shelby
5 Monroe
.833 Audrain
5 Callaway
.834 Clark
5 Lewis
.835 Marion
1 *Hannibal*
5 Ralls
.836 Pike
.837 Lincoln
.838 Montgomery
6 Warren
.839 St Charles
.84 Central west counties
.841 Jackson
1 *Kansas City*
.842 Cass
.843 Bates
.844 Vernon
.845 Lafayette
5 Johnson
.846 Henry
6 St Clair
.847 Saline
.848 Pettis
1 *Sedalia*
.849 Benton
6 Hickory
.85 Central counties
.851 Cooper
.852 Moniteau
.853 Morgan
.854 Camden
.855 Cole
1 *Jefferson City*
.856 Miller
.857 Pulaski
.858 Osage
.859 Maries
4 Phelps
.86 Central east counties
.861 Gasconade
.862 Crawford
.863 Franklin
.864 Washington
.865 St Louis
.866 *St Louis* (city)
.867 Jefferson
.868 St François
.869 Ste Genevieve
4 Perry

Missouri

977.87 Southwest counties
.871 Barton
.872 Jasper
1 *Joplin*
2 *Webb City*
.873 Newton
6 McDonald
.874 Cedar
5 Dade
.875 Lawrence
.876 Barry
.877 Polk
.878 Greene
1 *Springfield*
.879 Christian
4 Stone
7 Taney
.88 Central south counties
.881 Dallas
5 Laclede
.882 Webster
5 Wright
.883 Douglas
5 Ozark
.884 Texas
.885 Howell
.886 Dent
.887 Shannon
5 Oregon
.888 Iron
5 Reynolds
.889 Carter
4 Ripley
.89 Southeast counties
.891 Madison
.892 Wayne
.893 Butler
.894 Bollinger
.895 Stoddard
.896 Cape Girardeau
.897 Scott
.898 Mississippi
5 New Madrid
.899 Dunklin
6 Pemiscot

.9

978 Western or Mountain

Including general works on 'the West'

.1 Kansas

1541 explored by Spanish
30 May 1854 organized as separate territory, after successiv inclusion in Louisiana and Missouri territories 29 Jan. 1861 admitted as 34th state
Area 81,774 sq. mi. 105 counties
Sobriquets: Garden of the west, Sunflower state Capital: Topeka

.11 Northwest counties
.111 Cheyenne
5 Sherman
.112 Wallace
5 Rawlins
.113 Thomas
5 Logan
.114 Decatur
5 Sheridan
.115 Gove
5 Norton
.116 Graham
5 Trego
.117 Phillips
.118 Rooks
.119 Ellis
1 *Hays*
.12 Central north counties
.121 Smith
5 Osborne
.122 Jewell
.123 Mitchell
.124 Republic
.125 Cloud
.126 Ottawa
.127 Washington
5 Clay
.128 Riley
1 *Manhattan*
.129 Geary
1 *Fort Riley*
.13 Northeast counties
.131 Marshall
.132 Pottawatomie
133 Nemaha
5 Jackson
.134 Brown
.135 Doniphan
.136 Atchison
1 *Atchison*
.137 Jefferson
.138 Leavenworth
1 *Leavenworth* (city)
.139 Wyandotte
1 *Kansas City*

Kansas

978.14 Central west counties
.141 Greeley
5 Hamilton
.142 Wichita
5 Kearney
.143 Scott
.144 Finney
.145 Lane
.146 Ness
.147 Hodgeman
.148 Rush
.149 Pawnee
1 *Larned*
.15 Central counties
.151 Russell
.152 Barton
.153 Lincoln
5 Ellsworth
.154 Rice
5 Saline
6 *Salina*
.155 McPherson
.156 Dickinson
.157 Marion
.158 Morris
1 *Council Grove*
.159 Chase
.16 Central east counties
.161 Wabaunsee
.162 Lyon
1 *Emporia*
.163 Shawnee
1 *Topeka*
.164 Osage
5 Coffey
.165 Douglas
1 *Lawrence*
.166 Franklin
.167 Anderson
5 Johnson
.168 Miami
1 *Osawatomie*
.169 Linn

Kansas

978.17 Southwest counties
.171 Stanton
5 Morton
.172 Grant
5 Stevens
.173 Haskell
5 Seward
.174 Gray
.175 Meade
.176 Ford
1 *Dodge City*
.177 Clark
.178 Edwards
5 Kiowa
.179 Comanche
.18 Central south counties
.181 Stafford
5 Pratt
.182 Barber
1 *Medicine Lodge*
.183 Reno
1 *Hutchinson*
.184 Kingman
5 Harper
.185 Harvey
.186 Sedgwick
1 *Wichita*
.187 Sumner
.188 Butler
1 *El dorado*
.189 Cowley
1 *Arkansas City*
.19 Southeast counties
.191 Greenwood
5 Elk
8 Chautauqua
.192 Woodson
5 Wilson
.193 Montgomery
1 *Independence*
2 *Coffeyville*
.194 Allen
.195 Neosho
1 *Chanute*
.196 Labette
1 *Parsons*
.197 Bourbon
1 *Fort Scott*
.198 Crawford
1 *Pittsburg*
.199 Cherokee

978.2 **Nebraska**

30 May 1854 territory organized out of Missouri territory (977.8); 1 Mar. 1867 admitted as 37th state. Area 77,520 sq.mi. 93 counties. Sobriquets: Antelope, Blackwater, Bug eater, Cornhusker or Tree planters' state. Capital: Lincoln (978.2291). Platte River valley; for North Platte see 978.7. South Platte 978.871

.21 Eastern Nebraska Loess and drift region Prairie counties

.22 Missouri River and drift hils section

.221 **Northeast counties**

.222 Dixon 4 Dakota

7 Thurston

Organized as Blackbird co. 1855. Annext to Dakota co. and Omaha Indian reservation 1856. Reorganized as Thurston 1889. Includes former Omaha and Winnebago Indian reservations

.223 Cuming .224 Burt

5 Dodge 5 Washington

6 *Fremont*

.225 Douglas 1 *Omaha* Territorial and state capital 1855–68

6 Sarpy 7 *Bellevue* Oldest town in Nebraska; 1st territorial capital 1854

.226 **Southeast counties** **Til or drift hils area**

.227 Cass 3 Otoe Arbor Lodge (Morton) state park

Organized as Pieree co. 1854 (For present Pierce co. see 978.256) Name changed to Ottoe 1855 and to Otoe 1856

6 Johnson 8 Nemaha

Organized as Forney co. 1854. Name changed to Nemaha 1855

.228 Richardson 4 Pawnee

6 Gage

Clas here also former Jackson co., organized 1855, abolisht 1856. Includes former Otoe Indian reservation

7 *Beatrice*

.229 Lancaster

Clas here also former Clay co., organized 1855, divided, 1864, between Lancaster and Gage. For present Clay co. see 978.2357

1 *Lincoln*

Founded as Lancaster 1859. Designated as state capital and name changed to Lincoln 1867. Occupied as capital 1869

6 Saunders Todd Valley

Organized as Calhoun co. 1856. Name changed to Saunders 1862

Nebraska

978.23 South central counties Loess plains Nebraska plain

Clas here general works on southern Nebraska and South Platte section

.231 **Blue River area**

Big and Little Blue Rivers. Most of this area cald Jones co. in 1854 but never organized as such. For Jones co. as organized see 978.233

.232 Butler 4 Seward

Organized as Greene co. 1855. Name changed to Seward 1862

7 Saline

Clas here also former Johnston co., organized 1855, abolisht 1857

.233 Jefferson

Organized as Jones co. 1856. Original Jefferson co. (now Thayer, 978.2335) organized 1856, enlarjd to include Jones 1867

5 Thayer .235 Polk

.234 Fillmore 4 Hamilton

5 York 7 Clay For original Clay co. see 978.229 Lancaster co.

.236 **Republican River area**

.237 Nuckolls Bostwick game and bird preserv

4 Webster .2384 Furnas

7 Franklin 7 Gosper

.238 Harlan .239 Phelps

.2394 Kearney Ft Kearney state historical park

7 Adams 8 *Hastings*

.24 Central counties

Platte valley plain, Loup River area

.241 Hall Grand Island, Stolley state park

1 *Grand Island* (city)

.242 Merrick

5 Nance

Organized from Pawnee Indian reservation 1879

.243 Howard .245 Buffalo

.244 Sherman .246 Dawson

.247 Custer Victoria Springs state park

Clas here also Garber and Kountze cos. as proposed 1875

.248 Valley .249 Greeley

Nebraska

978.25 Northeast central counties Loess hils section

Elkhorn River area

.251 Boone

.252 Platte

Clas here also former Monroe co., organized 1856, added to Platte co. 1859; and original Loup co., organized 1855, abolisht 1856. For prezent Loup co. sec 978.2767

.253 Colfax

5 Stanton

Organized as McNeale co. 1855. Absorbed by reorganized Izard co. 1856 (Original Izard co., organized 1855, embraced most of prezent Wayne and Cedar cos., 978.257–.258) Name changed to Stanton 1862

.254 Madison 1 *Norfolk* .255 Antelope

.256 Pierce

For original Pierce co. sec 978.2273 Otoe co.

.257 Wayne .258 Cedar

.259 Knox

Organized as L'Eau qui Court Co. 1857. Name changed to Knox 1873 (Suggested change to Emmet, 1867, not accepted). Includes former Santee Indian reservation

.26 Western Nebraska Great plains counties

.27 Sand hils region North central counties

Clas here general works on northern Nebraska

.271 Niobrara River section

Also cald L'Eau qui Court or Running Water River

.272 Boyd Twin Buttes

5 Keyapaha Springview Table

.273 Cherry Niobrara national forest and game reserv

6 Brown .274 Rock

.2745 Holt Holt Table

Clas here also West co., establisht 1860 but never organized

.275 Southern sand hils section

.276 Wheeler 4 Garfield

7 Loup For original Loup co. see 978.252 Platte co.

.277 Blaine 4 Thomas Dismal River or Halsey national forest

7 Hooker .278 Grant

.2785 Arthur Includes former North Platte forest reserv

.279 McPherson 5 Logan

Nebraska

978.28 Southwest counties

.281 **Loess canyons section**

.282 Lincoln

Organized as Shorter co. 1860. Name changed to Lincoln 1861

Brady Island, Ft McPherson military cemetery, Lincoln co. game and bird preserv

1 *North Platte*

.283 Hayes

5 Frontier

.284 Redwillow

1 *McCook*

5 Hitchcock

.285 **Perkins Plain section**

.286 Dundy

.287 Chase

.288 Perkins

.289 Keith

.29 Northwest counties High plains region Panhandle

.291 Deuel 5 Garden Crescent Lake migratory bird refuge

.292 Sheridan Clas here also proposed Kersey co.

.293 Dawes

Dawes Table, Pine Ridge, Crow and Trunk Buttes. Chadron state park

.294 Box Butte Box Butte Plains

.295 Morrill

North Platte Plain, Stone Hils. Castle, Chimney, Courthouse and Jail Rocks

.296 Cheyenne Cheyenne Plains

Clas here former unorganized Taylor co. which included most of present Cheyenne, Deuel, Garden and Morrill cos.

.297 Kimball

Clas here also proposed Potter co., and former unorganized Lyons co. which included present Kimball, Banner and Scotts Bluff cos.

5 Banner

Wildcat Mt and Range, Bighorn and Hogback Mts

.298 Scotts Bluff *Scottsbluff* (city)

Scotts Bluff national monument, Bald Peak, Signal Butte, North Platte bird reservation

.299 Sioux

Bad Lands, Pierre and White River Plains, Lookout and Pine Buttes

.3 South Dakota

Including works on Dakota as a whole

2 Nov. 1889 admitted as 40th state (Dakota ter. organized 2 Mar. 1861, divided into North and South Dakota)

Area 76,868 sq.mi. 68 counties

Sobriquet: Coyote state Capital: Pierre

978.4 **North Dakota**

2 Nov. 1889 admitted as 39th state (Dakota ter. organized 2 Mar. 1861, divided into North and South Dakota)
Area 70,183 sq.mi. 53 counties
Sobriquet: Flickertail state Capital: Bismarck

.5

.6 **Montana**

26 May 1864 territory organized. Name means Mountain land
8 Nov. 1889 admitted as 41st state
Area 146,201 sq.mi. 51 counties
Sobriquet: Treasure state Capital: Helena

.7 **Wyoming**

25 July 1868 Wyoming territory organized
10 July 1890 admitted as 44th state
Area 97,594 sq.mi. 21 counties and Yellowstone national park
Sobriquet: Stub Toe state Capital: Cheyenne

.8 **Colorado**

1859–61 proposed territory and state of Jefferson. 28 Feb. 1861 Colorado territory organized. 1 Aug. 1876 admitted as 38th state. Area 103,948 sq.mi. 63 counties. Sobriquets: Centennial or Silver state. Capital: Denver (978.883)

.81 Colorado plateaus Western Colorado

.811 Northern plateau region Northwest counties

Colorado or Grand River valley

.812 Moffat

.814 Routt Elk Head Mts, Routt national forest

.815 Rio Blanco White River national forest

.816 Garfield Roan or Book Plateau

.817 Mesa 1 *Grand Junction*

Grand Mesa, Colorado national monument, Grand Mesa or Battlement national forest

.818 Delta

.819 Montrose Uncompahgre Plateau and national forest

.82 Southern plateau region Southwest counties

.822 Ouray

.823 San Miguel

.825 San Juan

.826 Dolores

.827 Montezuma

Mesa Verde, Mesa Verde national park, Yucca House national monument, Montezuma national forest, Ute Indian reservation

.829 La Plata La Plata Mts

Colorado

978.83 Rocky Mountain region Central Colorado
Colorado Rockies, Continental divide. Clas general works on Rocky Mts in 978

.831 Southern Colorado Rockies South central counties
Rio Grande national forest

.832 Archuleta San Juan or Durango national forest

.833 Conejos Organized as Guadaloupe

.835 Costilla Sangre de Cristo grant

.836 Alamosa .837 Rio Grande

.838 Mineral San Juan Mts, Wheeler national monument

.839 Hinsdale

.84 West central Colorado Rockies
Saguache or Sawatch Range

.841 Gunnison Elk Mts, Gunnison national forest

.843 Pitkin Sopris national forest

.844 Eagle Mt of the Holy Cross, Holy Cross national forest

.845 Summit Gore Range

.846 Lake
Mts Elbert and Massive, Twin Lakes, Leadville Basin, Leadville national forest

.847 Chaffee

.849 Saguache
Sangre de Cristo Range, San Luis Park or Valley, Cochetopa national forest

.85 East central Colorado Rockies

.851 Huerfano Huerfano Park

.852 Custer Wet Mts, San Isabel national forest

.853 Fremont
Royal Gorge of the Arkansas. See also 978.89 Arkansas River valley in Colo.

.855 Pueblo 1 *Pueblo* (city)

.856 El Paso 1 *Colorado Springs*
Pikes Peak, Garden of the Gods

.858 Teller *Cripple Creek*

.859 Park
Mosquito or South Park Range, South Park, Pike national forest

.86 Northern Colorado Rockies North central counties

.861 Clear Creek .863 Boulder

.862 Gilpin 1 *Boulder* (city)

.865 Grand
Front, Snowy or Rampart Range, Middle Park, Grand Lake, Arapahoe national forest

.866 Jackson Park and Rabbit Ears Ranges, North Park

.868 Larimer 1 *Fort Collins*
Medicine Bow and Laramie Ranges, Colorado national forest

.869 Rocky Mountain national park Estes Park Longs Peak

Colorado

978.87 Great plains region Eastern Colorado

Clas general works on Great plains in 978

.871 Northern Colorado Great plains Northeast counties

Clas here general works on northern Colorado. South Platte valley. Clas here general works on South Platte; see also 978.2 Platte River, Neb.

.872	Weld	.876	Sedgwick
1	*Greeley*	877	Phillips
.874	Morgan	.878	Yuma
.875	Logan	.879	Washington

.88 West central Colorado Great plains

.881	Adams	.886	Douglas
.882	Arapahoe	.887	Elbert
.883	Denver (co. and city)	.889	Lincoln
.884	Jefferson Denver mountain parks		

.89 Southern Colorado Great plains Southeast counties

Clas here general works on southern Colorado. Arkansas River valley. Clas general works on Arkansas River in 976.73; see also 978.853 Royal Gorge of the Arkansas

.891	Kit Carson	.896	Las Animas 1 *Trinidad*
.892	Cheyenne		Culebra Range, Spanish
.893	Kiowa		Peaks
.894	Crowley	.897	Bent
.895	Otero	.898	Prowers
		.899	Baca

.9 **New Mexico**

2 Feb. 1848 ceded by Mexico
9 Sep. 1850 territory organized; enlarged 1853 by Gadsden purchase
6 Jan. 1912 admitted as 47th state Area 122,503 sq.mi.
29 counties Capital: Santa Fé

979 Pacific

.1 **Arizona**

2 Feb. 1848 ceded by Mexico. and enlarged by Gadsden purchase 1853
24 Feb. 1863 territory organized 14 Feb. 1912 admitted as 48th state
Area 113,810 sq.mi. 14 counties
Sobriquets: Valentine, Hassayampa state Capital: Phoenix

.2 **Utah**

2 Feb. 1848 ceded by Mexico 9 Sep. 1850 territory organized
4 Jan. 1896 admitted as 45th state
Area 82,184 sq.mi. 29 counties
Sobriquet: Salt Lake state Capital: Salt Lake City

.3 **Nevada**

2 Mar. 1861 territory organized 31 Oct. 1864 admitted as 36th state
Area 109,821 sq.mi. 17 counties
Sobriquet: Silver state Capital: Carson City

979.4 **California**

Admitted 9 Sep. 1850, as 31st state Area 155,652 sq. mi.
58 counties
Sobriquet: Golden state Capital: Sacramento

Northern or Superior California

Use 979.41 as a general number, including .41–.43

.41 Coast range counties, north
.411 Del Norte
.412 Humboldt
.414 Trinity
.415 Mendocino
.417 Lake
.418 Sonoma
.419 Napa

.42 Northeast counties
.421 Siskiyou
.423 Modoc
.424 Shasta
.426 Lassen
.427 Tehama
.429 Plumas

.43 North central counties
.431 Glenn
.432 Butte
.433 Colusa
.434 Sutter
.435 Yuba
.436 Sierra
.437 Nevada
.438 Placer

Central California

Use 979.44 as a general number, including .44–.48

.44 East central counties
.441 El Dorado
.442 Amador
.443 Alpine
.444 Calaveras
.445 Tuolumne
.446 Mariposa
.447 *Yosemite*
.448 Mono

.45 Central counties Sacramento valley
.451 Yolo
.452 Solano
.453 Sacramento
.454 *Sacramento* (city)
.455 San Joaquin
.456 *Stockton*
.457 Stanislaus
.458 Merced

California

979.46 West central counties San Francisco group

.461 San Francisco co. and city
.462 Marin
.463 Contra Costa
.465 Alameda
Alameda (city)
.466 *Oakland*
.467 *Berkeley*
.469 San Mateo
.47 Coast range counties, south
.471 Santa Cruz
.473 Santa Clara
.474 *San José*
.475 San Benito
.476 Monterey
.478 San Luis Obispo
.48 South central counties
.481 Madera
.482 Fresno
.483 *Fresno* (city)
.485 Kings
.486 Tulare
.487 Inyo
.488 Kern

Southern California

.49 Southern counties
.491 Santa Barbara
Ilands: San Miguel, Santa Rosa, Santa Cruz, Santa Barbara
.492 Ventura
Ilands: Anacapa, San Nicholas
.493 Los Angeles
Ilands: Santa Catalina, San Clemente
.494 *Los Angeles* (city)
.495 San Bernardino
.496 Orange
.497 Riverside
.498 San Diego
San Diego (city)
.499 Imperial

979.5 Oregon

14 Aug. 1848 territory organized. 14 Feb. 1859 admitted as 33d state. Area 96.699 sq.mi. 36 counties. Sobriquets: Beaver or Webfoot state. Capital: Salem (979.5371)

Clas here general works on Pacific northwest

.51 Western Oregon

Cascade Range, Coast ranges. Clas here general works on Cascade Mts; see also 979.75 Cascade Mts in Wash.

.52 Southwest counties

Southern Oregon, organized as Umpqua co. 1851. Southern coast region, Rogue River valley, Klamath Mts

.521 Curry Siskiyou national forest

.523 Coos Rogue River mts, Coos Bay

.525 Josephine

Siskiyou Mts, Oregon Caves national monument (Josephine co. caves, Marble Caves)

.527 Jackson Crater national forest 1 *Medford*

.529 Douglas

Umpqua River valley, Calapooia Mts, Umpqua national forest

.53 West central counties Willamette valley Central coast region

.531 Lane

Three Sisters, McKenzie River, Cascade and Siuslaw national forests

1 *Eugene* .534 Benton Mary's Peak

.533 Lincoln Yaquina Bay 1 *Corvallis*

.535 Linn

Mt Jefferson, Santiam River, Santiam national forest

.537 Marion 1 *Salem*

Cald Champoeg (Champooick) til 1849. Champoeg park

.538 Polk Yamhill Mts .539 Yamhill Chehalem Mts

.54 Northwest counties Northern coast region Lower Columbia valley

Clas general works on Columbia River in 979.73

.541 Clackamas 1 *Oregon City*

Oregon or Mt Hood national forest

.543 Washington Cald Tuality (Twality) til 1849

.544 Tillamook .547 Columbia

.546 Clatsop .549 Multnomah

1 *Astoria* 1 *Portland*

Oregon

979.55 Eastern Oregon

.56 North central counties Columbia Plateau

Clas general works on Columbia River and Plateau in 979.73. Deschutes and John Day River valleys

.561 Hood River Mt Hood

.562 Wasco

Mutton Mts, Dalles of the Columbia, Warm Springs Indian reservation

1 *The Dalles* (city)

.564 Sherman .565 Gilliam .567 Morrow

.569 Umatilla 1 *Pendleton*

Umatilla Indian reservation, Umatilla national forest

.57 Northeast counties Blue Mountain region

Clas here general works on Blue Mts; see also 979.746 Blue Mts in Wash. Snake River; clas general works on Snake River in 979.61

.571 Union 1 *La Grande*

Eagle Mts, Grande Ronde valley, Minam national forest

.573 Wallowa

Wallowa Mts, Eagle Cap Mt, Sentinel Peak, Powder River Mts, Wallowa national forest

.575 Baker 1 *Baker* (city)

Burnt River Mts

.578 Grant

Strawberry and Buck Mts, Malheur and Whitman national forests

.58 Central counties Central Oregon

.581 Wheeler

.583 Crook Maury Mts, Ochoco national forest

.585 Jefferson

.587 Deschutes 1 *Bend*

Paulina Mts, Lava caves, Deschutes national forest

.59 Southeast counties Lake basin

.591 Klamath

Walker Range (Rim or Mt), Mt Thielsen, Upper Klamath Lake, Klamath Indian reservation, Paulina national forest

5 Crater Lake national park

Crater Lake, Mt Mazama, Mt Scott, Union Peak

.593 Lake

Warner and Wagontire Mts, Winter Ridge, Summer Lake, Lake Abert, Warner Valley and Lakes, Fremont national forest

.595 Harney

Steens (Steins) Mts, Harney and Malheur Lakes

.597 Malheur

Cedar and White Horse Mts, Saddle Mt, Malheur and Owyhee Rivers

979.6 **Idaho**

Part of Louisiana purchase. First included in Oregon, later in Washington territory. See also 979.5 Oregon and Pacific northwest. 3 Mar. 1863 territory organized. 3 July 1890 admitted as 43d state. Area 83,888 sq.mi. 44 counties. Sobriquet: Gem state. Capital: Boise (979.6281)

Columbia Plateau; clas general works on Columbia Plateau in 979.73. Idaho Rockies; clas general works on Rocky Mts in 978

.61 Southern Idaho Snake River plains

Clas here general works on Snake River; see also 979.65 Upper Snake River district, 979.57 Snake River valley in Ore., 979.74 in Wash.

.62 **Southwest counties**

.621 Owyhee Owyhee Mts

.623 Canyon

1 *Nampa*

.624 Payette

.625 Washington

.626 Adams Seven Devils Mts, Weiser national forest

.627 Gem

.628 Ada 1 *Boise* (city)

.629 Elmore Little Camas Prairie

.63 **South central counties**

Alturas, 1 of original counties, embraced present Elmore, Camas, Blaine, Minidoka, Lincoln, Jerome, Gooding, Custer and part of Power

.631 Camas Big Camas Prairie

.632 Blaine

Embraces former counties of Alta and Logan. Hyndman Peak, Craters of the Moon national monument, Sawtooth national forest

.633 Minidoka

.634 Lincoln

.635 Jerome

.636 Gooding Thousand Springs

.637 Twin Falls 1 *Twin Falls* (city)

Shoshone and Twin Falls

.639 Cassia

Goose Creek and Black Pine Mts, Minidoka national forest

.64 **Southeast counties**

.641 Oneida Malade and Hansel Ranges, Blue Spring Hils

.642 Franklin

.644 Bear Lake

Bear River Range, Bear Lake, Caribou national forest

.645 Caribou Preuss Range, Aspen Ridge

.647 Bannock

Port Neuf and Bannock Ranges, Pocatello national forest

1 *Pocatello*

.649 Power

Idaho

979.65 **Northeast counties** **Upper Snake River district**
Clas general works on Snake River in 979.61

.651 Bingham
Blackfoot Mts, Ft Hall Indian reservation

.653 Bonneville 1 *Idaho Falls* (city)
Caribou Range, John Gray's Lake

.654 Teton
Pierre's Hole Mts, Teton Basin (Pierre's Hole), Palisade national forest

.655 Madison Snake River Mts

.656 Fremont Targhee national forest

.657 Clark .658 Jefferson

.659 Butte
Little Lost River Mts, Lemhi national forest

.66 Central Idaho Bitterroot Range

.67 **Southeast central counties**
Sawtooth Mts, Salmon-Lost River district

.672 Custer
Lost River and Pahsimeroi Mts, Challis national forest

.674 Boise Boise national forest

.676 Valley Idaho and Payette national forests

.678 Lemhi
Salmon River Mts, Lemhi range, Yellow Jacket and Beaverhead Mts (Continental divide), Salmon national forest

.68 **North central counties**

.682 Idaho
Salmon River valley, Clearwater and Crags Mts, North Camas Prairie, Nez Perce and Selway national forests

.684 Lewis Nez Perce Prairie

.685 Nez Perce 1 *Lewiston*
Clearwater River valley, Craig Mts

.686 Latah
Thatuna Hils, Upper Palouse. Clas general works on Palouse country in 979.739

.688 Clearwater Clearwater national forest

.69 Northern Idaho Panhandle counties

.691 Shoshone
Coeur d'Alene Mts, St Joe national forest

.693 Benewah

.694 Kootenai 1 *Coeur d'Alene* (city)
Coeur d'Alene Lake, Rathdrum Prairie, Coeur d'Alene national forest

.696 Bonner
Cabinet Mts, Pend Oreille and Priest Lakes, Kaniksu national forest. Clas general works on Kaniksu national forest in 979.721

.698 Boundary Pend Oreille national forest

979.7 **Washington**

Formerly part of Oregon territory. 2 Mar. 1853 territory organized. 11 Nov. 1889 admitted as 42d state. Area 69,127 sq. mi. 39 counties. Sobriquets: Evergreen or Chinook state. Capital: Olympia (979.7791)

.71 Eastern Washington

Inland empire: includes also northeast Oregon 979.57 and northern Idaho 979.69

.72 Okanogan Highlands Northeast counties

.721 Pend Oreille

Kaniksu national forest. Clas here general works on Kaniksu national forest; see also 979.696 Kaniksu national forest in Id.

.723 Stevens

Huckleberry Mts, Spokane Indian reservation

.725 Ferry

Kettle River Range, Colville national forest, Colville Indian reservation

.728 Okanogan

Sawtooth Ridge, Buckhorn Mts, Okanogan national forest

.73 Columbia Plateau East central counties

Columbia River, Big Bend country. Clas here general works on Columbia River and Plateau; see also 979.54 Lower Columbia valley in Ore., 979.56 Columbia Plateau in Ore., 979.6 Columbia Plateau in Id., 979.78 Columbia-Cowlitz basin

.731 Douglas Badger Mts

.732 Grant

Saddle Mts, Frenchman Hils, Grand Coulee, Moses Lake

.733 Franklin

.734 Adams

.735 Lincoln

.739 Whitman

Palouse country: includes also part of Latah co., Id. 979.686

.74 Southeast counties

Lower Snake River. Clas general works on Snake River in 979.61

.742 Asotin

.746 Columbia

Northern Blue Mts. Clas general works on Blue Mts in 979.57. Wenaha national forest

.748 Walla Walla

.737 Spokane

Spokane River

1 *Spokane* (city)

.744 Garfield

1 *Walla Walla* (city)

Washington

979.75 Yakima and Wenatchee valleys Central Washington counties

Northern Cascade Range. Clas general works on Cascade Mts in 979.51

.751 Benton Horse Heaven Hils and Plateau

.753 Klickitat

.755 Yakima 1 *Yakima* (city)

Mt Adams, Rattlesnake and Yakima Ridges, Cleman Mts, Yakima River, Yakima Indian reservation

.757 Kittitas Wenatchee Mts, Manastash Ridge

759 Chelan 1 *Wenatchee*

Mt Stuart, Entiat Range, Chelan Mts, Wenatchee River, Lake Chelan, Chelan and Wenatchee national forests

.76 Western Washington

.77 Puget Sound counties Puget Sound

.771 Snohomish 1 *Everett*

Glacier Peak, Snoqualmie national forest, Tulalip Indian reservation

.772 Skagit

Fidalgo, Guemes and Cypress Islands, Rosario Strait, Swinomish Indian reservation

.773 Whatcom 1 *Bellingham* (city and bay)

Lummi Island, Mt Baker, Custer and Skagit Ranges, Washington or Mt Baker national forest, Lummi Indian reservation

.774 San Juan

San Juan, Orcas and Lopez Islands, Washington Sound (San Juan Archipelago), Canal de Haro (Haro Strait)

.775 Island Whidbey and Camano Islands

.776 Kitsap

Bainbridge Island, Hood Canal, Port Madison Indian reservation

1 *Bremerton* Puget Sound navy yard

.777 King 1 *Seattle*

Vashon Island, Lake Washington, Muckleshoot Indian reservation

.778 Pierce 1 *Tacoma*

Nisqually and Puyallup Indian reservations

5 Mt Rainier national park Mt Rainier

.779 Thurston 1 *Olympia*

Black Hils, Chehalis Indian reservation

.78 Columbia-Cowlitz basin Southwest central counties

Clas general works on Columbia River in 979.73

.782 Lewis

Tatoosh Range, Cowlitz River, Rainier national forest

.784 Skamania

Mt St Helens, Columbia national forest

.786 Clarke 1 *Vancouver* (city)

Cald Vancouver 1845–9

.788 Cowlitz

Washington

979.79 Coast counties

Coast ranges, Coastal lowland

.791 Wahkiakum

.792 Pacific

Willapa Hils, Willapa Bay (Shoalwater Bay), Shoalwater Indian reservation

.794 Olympic peninsula

Olympic Mts, Olympic national forest

.795 Grays Harbor

Cald Chehalis 1854–1915. Grays Harbor (bay), Quinault Indian reservation

1 *Aberdeen* 2 *Hoquiam*

.797 Mason

Cald Sawamish 1854–64. Skokomish and Squaxin Island Indian reservations

.798 Jefferson

Mt Olympus national monument, Mt Olympus; Hoh Indian reservation

.799 Clallam

Juan de Fuca Strait; Makah, Ozette and Quillayute Indian reservations

.8 **Alaska**

30 Mar. 1867 ceded by Russia 24 Aug. 1912 organized as territory
Area 590,884 sq.mi. Capital: Juneau

980 South America Latin America Spanish America

.1–.6 South American Indians Divided like 970.1–.6

981 Brazil

982 Argentina Patagonia

983 Chile

984 Bolivia

985 Peru

986 U. S. of Colombia Panama New Granada Ecuador

987 Venezuela

988 Guiana

989 Paraguay Uruguay

990 Oceania Polar regions

991 Malaysia

.1 Borneo .2 Celebes .3 Moluccas or Spice ilands .4 Philippine ilands

992 Sunda

.1 Sumatra .2 Java

993 Australasia

.1 New Zealand .2 New Caledonia .3 Loyalty ilands .4 New Hebrides .5 Solomon ilands .6 New Britain, New Ireland .7 Admiralty ilands

994 Australia

Period divisions

.01 Discovery –1779
Clas here works dealing exclusivly with Australian aspects. For general accounts of voyages of discovery see 910.4

.02 First settlement and early growth 1779–1851
Convicts and military autocracy; pastoral expansion; free immigration and agitation for self-government; convicts v. free settlers

.03 Gold discoveries and consolidation 1851–91

.04 Formation of the Commonwelth 1891–1922
Federal movement and development of federal institutions. Period of European war (1914–18) and its aftermath (See also 940.394 for military participation of Australia)

.05 Later 20th century 1923–
Including general works on 20th century. Bruce 1923–9 Scullin 1929–31 Lyons 1931–8 Menzies 1938–

Geografic divisions

.1 **Western Australia**
.2 **South "**
.29 **Northern Territory**
.291 Central Australia
.295 North "
.3 **Queensland**
.4 **New South Wales**
.5 **Victoria**
.6 **Tasmania**
.7 **Australian Capital Territory** Canberra
.8 **Isolated islands** Lord Howe, Norfolk, Philip, etc.

995 New Guinea

996 Polynesia

.1 Fiji, Friendly and Navigator ilands .2 Society, Austral and Cook ilands .3 Marquesas ilands and Low Archipelago .4 Minor Polynesian ilands .5 **Micronesia** .6 Caroline and Pelew ilands .7 Ladrone ilands .8 Marshall and Gilbert ilands .9 Hawaii

997 Isolated ilands

998 Arctic regions

General number for Polar regions

999 Antarctic regions

DECIMAL CLASSIFICATION

AND

RELATIV INDEX

BY MELVIL DEWEY A M LL D

EDITION 14

REVISED AND ENLARGED

VOLUME 2: RELATIV INDEX

FOREST PRESS INC

LAKE PLACID CLUB ESSEX COUNTY N Y

1942

Decimal Clasification and Relativ Index

Copyryt by

Melvil Dewey

1876, 1885, 1911, 1913, 1915, 1919

Library Bureau

1888, 1891, 1894, 1899

Lake Placid Club Education Foundation

1922, 1927, 1932, 1942

Modifying D C numbers

Confuzion and annoyance to thousands of uzers cauzd by printing unauthorized variations force the publishers to insist strictly on ful copyryt protection. Every library and individual uzer has, however entire freedom to make such variations as he thinks he needs, under the simpl restrctions found necesary to protect the ryts of others. See v. 1, p. 35[2]-38[1], Letter or simbol notations for chanjes or aditions.

Note on spelling of Ed 14

In response to the exprest sentiment of many D C users, the Decimal Classification Committee voted 16 May 1941 to adopt conventional spelling for the index of Ed 14. In deference to the lifelong convictions of the author, however, his statements regarding simpler spelling are reprinted in this edition without alteration. Statements regarding D C usage wil be understood. therefore, as applying to Tables and prefatory matter, but not to Index of Ed 14.

CONTENTS

Volume 1: Tables

	Page
General explanation	1
Foreword to edition 14	7–8
Introduction	9–48
Simpler spelling reasons and rules	49–63
First summary: the 10 main classes	1 page
Second " the 100 main divisions	1 "
Third " the 1000 sections	10 pages
Tables of subsections of General works	39 "
Philosophy	70 "
Religion	25 "
Social sciences	122 "
Philology	11 "
Pure science	111 "
Useful arts	270 "
Fine arts	164 "
Literature	48 "
History	184 "

Volume 2: Relativ Index

	Page
Explanatory note to the Relativ Index	1133–36
Abbreviations used in Index and Supplementary Tables	1136–38
Relativ Index	1139–1876
Table of topics divided geographically	1876–79
uniform subdivisions	1880–87
languages and literatures	1888–90
philologic divisions	1891–92
'Universal Decimal Classification', Systematic Botany	1893–1927

Explanatory note to the Relativ Index

Never classify solely from the Index; always verify in the Tables. This advice can not be overemphasized. The Relativ Index, as any other index, is a means of finding an entry for a particular topic, or some phase of a topic; and the number there referred to should be used as a clue to the Tables, not as a class mark. The entries of the Index are so worded as to give a guiding idea of the field in which a topic, or its particular aspect, is treated. Tho to make an entry comprehensible sometimes requires an extensive phraseology, most of the entries are rather brief. The relativity of juxtaposed entries gives quite often an idea of different phases, approaches, or variant meanings of a word, and may guide the user of the scheme to certain Tables which, after examination, should be the only criterion in selecting a class mark for a specific item.

Conventional spelling has been adopted for the Index by the Decimal Classification Committee for the sole purpose of diminishing the inevitable inconvenience to users. A person with a book in hand is influenced by the vocabulary and spelling used by its author. Since the latter in most cases follows conventional standards, the problem of locating a topic will be facilitated if it is spelled the same way in the Index.[1] This, however, does not solve the problem of locating one or more places in which the topic in question is treated in the Tables.

Here comes the question of terminology. Very seldom do people think of a subject in exactly identical terms. So far as possible, the entries of the Index are expressed in terms of current usage. But there are so many synonymous or similar terms by which an idea may be expressed, that the inclusion of all possible words of approach would result in a bulky index many times larger than the Tables containing the ideas. The choice of entry words, 'catch words', and of subsequent terms following the entry is a difficult problem. As far as feasible the terms chosen for entries are those that on the one hand belong to the terminology of a subject, and on the other are most likely to come to one's mind when thinking of a topic. Quite often they are not identical, and thus a classifier has to exercise his imagination and bring into play his knowledge in order to find a desired term. To facilitate this search numerous cross-references are included thruout the Index. Here it may be suggested that when a term is found it should be kept in mind that other forms of the same root may profitably be examined as well. Take, for instance, the entry word 'Nation'. First of all, the plural form should be kept in mind. However, between 'Nation' and 'Nations' there are 5 other entry words of the same root: National, Nationalist, Nationalities, Nationality and Nationalization. It is not always possible to say beforehand under which of these terms the desired aspect of the subject 'Nation' will be found. The phraseology of the entries is so planned as to indicate what phase of a topic is under any particular class mark, but by consulting the Tables a successful solution of the problem may be secured more quickly and safely than by analysing this phraseology, which is intended to furnish only clues and not the final answers.

The initiative and resourcefulness of a classifier will be very helpful when it becomes desirable to examine various entries related to a topic but expressed in words of different etymologic roots. A few examples may illustrate this point. There are entries under 'Milk', but there are also entries under 'Butter', 'Buttermilk', 'Cheese', 'Cream', 'Dairy', 'Lacto-', under which an aspect in question may be found, not mentioning 'Nutrition', 'Curdling', and other entries closely connected with milk. Similarly, various aspects of the topic 'Heart' may be found under 'Blood', 'Cardiac', 'Circulation', 'Pulse', etc.

---

[1] Tho the spelling in the Tables has not been revized, it should not cause great inconvenience to classifiers because the context always makes readily understood the meaning of simplified words.

Generally, the topics in the Index are expressed by nouns. In many cases the singular form is used as an adjective, and the plural form as a noun, tho there are inevitable, but not numerous, exceptions. Adjectives are also used as entry words when they are striking in character, or are of the same root as the noun by which an idea is expressed. Such adjectives as ' large ', ' small ', ' artificial ', etc., are generally used in subheads but not as entry words. In some cases distinctive phrases are used in both direct and inverted forms; e.g. ' Hygiene, industrial ', and ' Industrial hygiene '. Names of societies, clubs, associations, etc. are used in their official forms. In case of singular entries synonymous words or alternative spellings are duplicated. Similarly, pseudonyms and real names are accompanied by class marks without cross-references from one form to another.

The order of entries is alphabetic and should not cause any inconvenience in cases of deviation from the strict alphabetic sequence. Names with Mac and Mc are listed as if spelled Mac. Germanic terms with ä, ö, ü, are listed as if spelled ae, oe, ue.

Tho the spelling in the Index is that of standard English dictionaries (Standard and Webster being followed in most cases), a simpler form of a word has always been preferred if it can be found in its proper alphabetic place, as ' hight ' in place of ' height ', ' gage ' instead of ' gauge '. Initial and middle ligatures ' ae ' and ' oe ' are used only in scientific names; thus there are ' Esthetics ', ' Eolian ', ' Esophagus ', etc., instead of ' Aesthetics ', ' Aeolian ', and ' Oesophagus '. As far as abbreviations and contractions are concerned they are placed as if spelled in full. Thus ' blood ' precedes ' bldg ', ' mfg ' precedes ' math.', etc. However, no discrimination has been made in case of repeated abbreviations; thus ' psychology ', ' psychologic '; ' geography ', ' geographic ', etc., follow the order of other parts of neighboring entries.

Quite often hyphenated entries are given in transposed form, i.e. their first part is a subhead of the second part. The hyphen following the transposed first part clearly indicates the original form of the entry.

Each entry should be verified in its proper place in the Tables. In case an entry has a class mark longer than that printed in the Tables, the excess figures represent an authorized subdivision (numerous places in Tables indicate such subdivisions) or form division from Supplementary table 2.

Topics which can be treated locally, i.e. subdivided geographically (see Supplementary table 1) in previous editions were placed under names of countries. In this edition such topics are set with a few examples of geographic treatment which should suggest the technic of building up a class mark for any desired country. In some cases treatment of a topic by locality deviates from usual principle of ' divided like 930–999 '. In such cases this can be found under an entry word. As an illustration cf Law, Eng. 346; Law, US 345; and Law in (country) 349.——

Since the arrangement of subheads by indentions used in this Index may necessitate omission of a comma, the exact phraseology of an entry should be visualized. Thus ' Glass blowing ' and ' Glass, burning ' appear without a comma in the latter case, and its exact meaning may be restored by visualizing the missing punctuation.

In many cases the conjunction ' and ' indicates relation between connected topics; e.g. ' Education and religion,' ' Blood and spleen ', ' Genius and crime ', etc.

Under numerous entries there are references reading ' see also qualifying or specific terms '. To illustrate the meaning of such references see ' Rocks '. There are various kinds of rocks that are listed under qualifying terms, as ' Plutonic rocks ', ' Sedimentary rocks ', ' Volcanic rocks ', etc., and also particular entries under specific terms, as ' Felsites ', ' Granite ', ' Syenite ', etc. Since all these topics may be found under 552, to list them under ' Rocks ' would bring in alphabetic order all rocks under the single approach of the entry ' Rocks '. The adopted arrangement, however, gives several approaches and thus there is a greater possibility of locating a desired topic. If we should duplicate all entries under ' Rocks ' and also under qualifying or specific terms, it would greatly increase the bulk of the Index. The included expansions and coming expansions in succeeding editions require economy in entries that may not imperil the usefulness of the Index.

In connection with this the Decimal Classification Editorial Office would appreciate any comment, criticism, suggestion, etc. concerning the Index and the scheme as a whole. Only thru cooperation between interested people and our Office may we expect to make satisfactory progress in answering the needs of classifiers — whether librarians, or private individuals. Various users of the DC scheme communicate from time to time with this Office, bringing attention to misprints and mistakes, suggesting new topics for inclusion in coming expansions, etc. All correspondence is sincerely appreciated and carefully considered.

Certain methods have been introduced that may be mentioned. First, popular names of animals and plants, which often are mentioned in agriculture and elsewhere, are accompanied (in curves) by scientific names from zoologic and botanic schemes. This eliminates necessity of supplying under the same entry an additional class mark from those schemes. On the other hand, it suggests that the topic in question may be classified as an item of botany or zoology as the case may be.

Another feature is that of using the dash in class marks. This indicates that such class marks are incomplete and that proper figures are to be added. For instance, there are entries like these:

Drama . . . lit.	
[3] other	——2
Schools . . .	
in other specific	
[2] fields see subject	——071
Voice signs . . .	
[3] other lang.	——28

The first case indicates that class mark for drama in any particular literature should be built by using specific number for the literature and by adding to that number figure 2; e.g. Japanese drama is 895.62, Polish drama 891.852, etc.

The second case indicates that form division from Supplementary table 2 may be added to any class mark; e.g. Mining schools is 622.071, Dentistry schools 617.6071, etc.

The third case is similar to the first one. Thus for Voice signs in Russian language we will have 491.728.

In all these and other similar cases, the superior figures at left margin refer to Supplementary tables following this Index.

To avoid frequent repetitions in the Index of long lists of geographic, philologic, etc. subdivisions, 4 Supplementary tables are provided giving (1) subjects, with class numbers of each, which may be divided geographically; (2) form divisions, which may be applied thruout the main Tables as needed; (3) languages, with their class numbers, which may be further subdivided by adding figures given in Supplementary table 4; and literatures, with their class numbers, which may be subdivided by adding numbers for literary forms as given under English literature; (4) philologic divisions, with figures to be added in subdividing any language in Supplementary table 3.

Class numbers for description and travel are usually omitted. In certain cases when a mountain, lake, national park, etc. are more likely to have books of descriptive nature than of historical treatment, these numbers are given, and history numbers are omitted.

If literature and philology numbers are similar (except initial 8 or 4) the latter are indicated and the former omitted. If, however, the numbers in literature differ from those of corresponding languages, both numbers are indicated; e.g. Pali language is 491.3701, Pali literature 891.3; but Siamese language is 495.91, and no literature number is given because it is 895.91.

In conclusion we may suggest once more to consult the Tables in each case when a topic in question has been located thru the Index. Systematic arrangement under various subjects in the Tables may provide better means for selecting the class mark than any entry in the Index. A glance at headings preceding and following the class number in question and examination of frequently found references and notes will facilitate the problem of classifying and will insure the correctness of a chosen class mark. Since typographic errors among entries of the Index are likely to be present, in spite of our efforts to catch them, we repeat again: **Never classify solely from the Index; always verify in the Tables.**

C J Mazney
M W Getchell

Washington D C

Abbreviations

Used in Index and Supplementary Tables

acad.	academic, etc.
acquis.	acquisition
admin.	administration, etc.
adver.	advertizing
agric.	agriculture, etc.
Ala	Alabama
Amer.	American
anal.	analysis, etc.
anat.	anatomy, etc.
anc.	ancient
anim.	animal(s)
anniv.	anniversary
antiq.	antiquities
apic.	apiculture
apt	apartment
archeol.	archeology, etc.
archi.	architecture, etc.
Ariz	Arizona
Ark	Arkansas
art.	artistic
ass'n(s)	association(s)
astrol.	astrology
astron.	astronomy, etc.
avic.	aviculture
bibl.	bibliography
biog.	biography
bldg(s)	building(s)
bot.	botany, etc.
Brit.	British
bus.	business
Calif.	California
Can.	Canada, Canadian
cap. & labor	capital & labor
Cath.	Catholic
cen. pow.	central powers
cent.	century
ch.	church
chem.	chemistry, etc.
Chin.	Chinese
Chr.	Christian, etc.
Christol.	Christology
chronol.	chronology
cinephot.	cinephotography, etc.
civ.	civil
co.	company, *or* county
coll'n(s)	collection(s)
Colo	Colorado
commer.	commercial
comp.	comparative, etc.
compos.	composition, etc.
Conn	Connecticut
constit.	constitution, constituent, etc.
constr'n(s)	construction(s)
corp.	corporation
cost.	costume
crim.	criminal
criminol.	criminology
crystallog.	crystallography, etc.
cytol.	cytology, etc.
Dan.	Danish
DC	District of Columbia
dec.	decoration
Del	Delaware
demog.	demography, etc.
dept(s)	department(s)
descr.	description, etc.
devel.	developing, etc.
diff.	different, differential, etc.
dis.	diseases
dist.	district
distrib.	distribution
div.	division
doc.	doctrine, etc.
dom.	domestic
eccles.	ecclesiology, etc.
ecol.	ecology, etc.
econ.	economy, etc.
educ.	education, etc.
elec.	electricity, etc.
elem.	element, elementary, etc.
embryol.	embryology, etc.
eng.	engineering (*not* engines)

Eng.	England, English, etc.
engr.	engraving
entomol.	entomology
equip.	equipment
estab.	establishment
eth.	ethics
etymol.	etymology, etc.
Eur. (w.)	European (war)
evol.	evolution, etc.
exped.	expedition
exper.	experimental, etc.
f. arts	fine arts
fertiliza.	fertilization
fict.	fiction
fin.	financial, etc.
Fla	Florida
floric.	floriculture
fruitc.	fruitculture
furn.	furniture
Ga	Georgia, US
gard.	gardening
gen.	general
genera.	generation
geod.	geodesy, etc.
geog.	geographic, etc.
geol.	geology, etc.
geom.	geometry, etc.
Ger.	Germany, German
Gk	Greek
gov't	government
herpetol.	herpetology
hist.	history
histol.	histology
hortic.	horticulture
Hung.	Hungarian
hyg.	hygiene
Ia	Iowa
ichthyol.	ichthyology
Ida	Idaho
Ill	Illinois
illus.	illustration
immig.	immigration, etc.
Ind	Indiana
indiv.	individual, etc.
indus.	industry, etc.
inorg.	inorganic
instit.	institution, etc.
instr.	instrument, etc.
insur.	insurance
int'l	international (*not* internal)
Ire.	Ireland
It.	Italy, Italian
Jap.	Japan, Japanese
jurispr.	jurisprudence
Kan	Kansas
Ky	Kentucky
La.	Louisiana
lands.	landscape
lang.	language (*not* languages)
Lat.	Latin
legis.	legislature, etc
lib.	library, etc.
limit.	limitation
lit.	literature, etc.
lithog.	lithography, etc.
loc.	local, etc.
mach.	machine, etc.
maint.	maintenance, etc.
mammal.	mammalogy
manage.	management
Mass	Massachusetts
math.	mathematics, etc.
Md	Maryland
Me	Maine
mech.	mechanical, etc.
med.	medical, medicine, etc.
ment.	mental, mentality, etc.
metaphys.	metaphysics, etc.
meteorol.	meteorology
meth.	method(s)
Mex	Mexico, Mexican
mfg	manufacturing
Mich	Michigan
mil.	military
min.	mineral
min'g	mining
Minn	Minnesota
misc.	miscellany, etc.
Miss.	Mississippi
Mo	Missouri
mod.	modern
modula.	modulation, etc.
mon.	monastic
Mont.	Montana
morphol.	morphology, etc.
mot. veh.	motor vehicle(s)
ms(s)	manuscript(s)
mt	mountain
mus.	museum, *or* musical
nat.	natural
nat'l	national
nav.	naval
naviga.	navigation
NB	New Brunswick
NC	North Carolina
ND	North Dakota
Neb	Nebraska
Nev	Nevada
NH	New Hampshire
NJ	New Jersey
Norw.	Norwegian
NS	Nova Scotia
NT	New Testament
nuncic.	nuciculture
NY	New York
O	Ohio
Okla	Oklahoma
Ont	Ontario
opera.	operation
ophthalmol.	opthalmology
ord.	order
ordn.	ordnance
Ore	Oregon
org.	organ, organic, etc.

organiza.	organization
organog.	organography, etc.
orig.	origin, etc.
ornithol.	ornithology
OT	Old Testament
Pa	Pennsylvania
paleobot.	paleobotany
paleozool.	paleozoology
pathol.	pathology
PEI	Prince Edward Island
pharm.	pharmacy, etc.
phenol.	phenology
philol.	philology, etc.
philos.	philosophy
phot.	photography, etc.
photoengr.	photoengraving
photolithog.	photolithography
phys.	physical
physiog.	physiography
physiol.	physiology, etc.
plan.	planning
poet.	poetry
polit.	political, etc.
prac.	practical
pres.	presidency, etc.
preserva.	preservation
priv.	private
Prot. Epis.	Protestant Episcopal
prot'n	protection
prov.	province
pseud.	pseudonym
psychoanal.	psychoanalysis, etc.
psychol.	psychology, etc.
psychom.	psychometry
pub.	public
Que	Quebec
recrea.	recreation, etc.
reg.	region, regional
regula.	regulation(s)
rela.	relation
relig.	religion, etc.
revol.	revolution
RI	Rhode Island
rit.	ritual
Rom.	Roman
Rus.	Russian
rys	railways
S. Amer.	South America
san. eng.	sanitary engineering
SC	South Carolina
Scan.	Scandinavian
sci.	science, etc.
Scot.	Scotch, etc.
sculpt.	sculpture, etc.
SD	South Dakota
sect.	sectarian, etc.
shipbldg	shipbuilding
silvic.	silviculture
soc.	social, society, etc.
sociol.	sociology, etc.
soteriol.	soteriology
Sp.	Spain, Spanish
statis.	statistics, etc.
subj.	subject
Swed.	Swedish
syst.	system, etc.
tech.	technology, technical, etc.
Tenn	Tennessee
teratol.	teratology
terr.	territory
Tex	Texas
theol.	theology, etc.
theor.	theoretic
therap.	therapeutics
trav.	travel, etc.
univ. & col.	universities & colleges
US	United States of America
Va	Virginia
varia.	variation
veget.	vegetable, etc.
vet. med.	veterinary medicine
vitic.	viticulture
vs	versus
Vt	Vermont
Wash	Washington state
Wis	Wisconsin
wks	works
WVa	West Virginia
Wyo	Wyoming
zool.	zoology, etc.
zootech.	zootechny, etc.

—— (dash) in class marks indicates omission (see p. 1135)

Relativ Index

A

ABC
  order office filing 651.5332
  schools
    elementary educa'ion 372.241
  system telegraphy 621.38222
A la carte table system 642.53
Aagesen, Svend Dan. lit. 839.81812
Aajamba history 968.86
Aardvark (Edentata)
  mammalogy 599.31
Aardwolf (Protelidae)
  mammalogy 599.74426
Abaca (Musaceae)
  cordage manufactures 677.71
  field crops 633.571
Abacus arithmetic 511.2
  manufactures 681.144
  office equipment 651.2645
Abalones (Gastropoda)
  zoology 594.3
Abandoned
  children, *see* Dependents
  towns city planning 711.424
Abashiri history 952.481
Abats-jour use in adver. 659.136
Abattoirs, *see* Slaughterhouses
Abbassides Bagdad califate 956
  Egyptian " 962
  Persian history 955
Abbeville co., SC history 975.735
Abbey schools education 377.3
Abbeys architecture 726.72
  church history 271
Abbot of misrule
  social customs 394.2625
Abbots lodgings archi. 726.792
Abbreviations 653.2
  English orthography 421.8
[3] other lang. —18
  literary methods 029.4
  radio traffic 621.38419213
  in other specific fields
[2] see subj. —0148
Abdias Bible 224.91
Abdication
  constitutional history 342
  political science 321.6–.7
Abdomen
  anatomy, regional 611.95
  surgery 617.55
Abdominal
  lymph glands anatomy 611.465
  muscles " 611.736
  sympathetic nerves " 611.8393
  physiol. 612.893
Abducent nerve
  anatomy 611.8316
  nucleus anatomy 611.8175
  physiology 612.8196
    of eye 612.8466
  psychology 152.166
Abduction criminal law 343
Abductor
  digiti quinti anatomy 611.73776
  hallucis " 611.7389
  pollicis brevis " 611.73773
    longus " 611.73767
Abecedarians Anabaptists 284.3
Abelard philosophy 189.4
Abelian functions calculus 517.36
Abelmoschus esculentus
  (Malvaceae) garden crops 635.648
Abeokuta history 966.92
Aberdeen
    Cape Colony history 968.743
    Scotland " 941.25
    Wash " 979.7951
  Angus cattle (Bovidae)
    domestic animals 636.2231
Aberration
  astronomic corrections 522.94
  chromatic optics 535.4
  mental, *see*
    Mental derangement
  sexual psychology 132.75
  spheric optics 535.3

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Abert, Lake, Ore deser. 917.9593
Abeyance family law 347.6
Abidjan history 966.681
Abies (Pinaceae) forestry 634.9754
Abietoideae botany 585.213
Abilities
correlation of
psychologic measurements 151.2653
doctrinal theology 233.4
personality 137.38
Abiogenesis, *see*
Spontaneous generation
Abitibi co., Que history 971.412
Abjuration, oath of
naturalization 323.62
Abkhasian language 499.9613
Ablation geology 551.31
Ablaut English language 421.2
" other " —12
Ablution Catholic ritual 264.025
Greek " 264.0195
Prot. Epis. " 264.035
etc.
Abnormal
children education 371.9
psychology of 136.76
psychology 132
medicine 616.8
Abnormalities
animal teratology 591.2
variation 591.159
mental, and crime sociol. 364.243
physical
anatomy 611.012
hygiene of progeny 613.91
influence of psychology 136.6
somatology 573.9
surgery 617.3
plant breeding 631.523
psycho-sexual pathology 616.8
psychology 132.75
vegetable teratology 581.22
variation 581.159
Abode
apiculture 638.12152
of animals animal ecology 591.52
plants vegetable " 581.52
Abolition movement
US Civil war causes 973.7114
Abolitionists, Amer. biog. 923.673
Aborigines colonization 325.315
Abortion botany 581.227
criminal law 343
ethics 173.4
pathology 618.39
zootechny 636.082456
About, E F V Fr. fiction 843.86
Abraham, Testament of
pseudepigrapha 229.914
Abrasion coins 332.419
Abrasions surgery 617.13
Abrasives mechanical tools 621.92
Abraxas gnostic heresy 273.1
Abreaction psychoanalysis 131.3422
Abridging literary methods 029.4
shorthand 653
Abridgments
of cases English law 346.5
US law 345.5
Abruzzie Molise history 945.71
Abscess
pulmonary pathology 616.244
surgery 617.23
Absence permits
school rewards 371.53
Absences
labor economics 331.14
library personnel 023.96
military science 355.113
office personnel 651.446
school discipline 371.52
see also Vacations and leaves
Absent voting suffrage 324.247
Absenteeism Irish history 941.5
land econ. 334.4
Absentmindedness
psychology 152.7237
Absolute
ontology 111
rulers, worship of
comparative religion 291.213
Absolution penance 265.64
Absolutism polit. science 321.6
soteriology 234.9
Absorbent system
biology 574.13
physiology 612.3
botany 581.13
zoology 591.13
Absorption
by soil agriculture 631.432
cutaneous physiology 612.791
in peritoneum physiol. 612.3391
lymphatic " 612.426
of gases chemistry 541.3443
physics 533.1
physiol. bot. 581.12122
heat thermochemistry 541.36
thermology 536.34
light optics 535.3
liquids physics 532.7
physiol. bot. 581.112

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Absorption (cont.)
physiology 612.38
radio transmission 621.384115
waves 621.384114
spectra optics 535.3
tests textile manufactures 677.02874
see also special fibers
urinary physiology 612.4672
Abstinence
delirium medicine 616.8933
psychol. 132.1933
religious asceticism 248
temperance 178.2
Abstract concepts psychol. 153.133
Abstracting
literary methods 029.4
reading " lib. econ. 028.1
Abstraction psychology 153.3
Abstracts
[1] **legislative polit. sci.** 328
of titles private law 347.2
Absurdity in dreams 135.34
Abuses
and injuries lib. economy 024.8
of volunteer service econ. 331.65
Abutilon Avicennae
(Malvaceae) field crops 633.561
Abutment arches
architectural construction 721.425
Abutments
architectural construction 721.372
bridge engineering 624.16
Abyssinian dialects
literature 892.8
philology 492.87
see also Ethiopia, etc.
Academic
costume univ. & col. 378.29
degrees
differentiation of
univ. & col. 378.243
end of school 371.2912
fake univ. & col. 378.26
graded " " 378.22
honorary " " 378.25
purchase of " " 378.26
teachers' schools 370.7324
univ. & col. 378.2
see also Certificates, Diplomas
freedom
education 371.1
political science 323.444
univ. & col. 378.121
insignia univ. & col. 378.27-.29
Academic (cont.)
representation
legislature 328.3344
suffrage 324.227
schools 2dary education 373.241
sermons homiletics 252.5
year univ. & col. 378.14
Academicians biography 920.6
Academies
and learned societies
buildings architecture 727.95
general 060
military science 355.071
school architecture 727.2
scientific 506
[1] **2dary education** 373
public 379.171
societies, etc., in
[2] specific fields see subj. —06
Academism
renaissance architecture 724.1
Academy, new philosophy 186.2
old " 184
Acadia, NS history 971.6
parish, La. " 976.356
Acalepha zoology 593.73
Acanthaceae botany 583.86
Acanthocephala zoology 595.133
Acanthocephali pathology 616.966
Acanthopterigii ichthyology 597.58
Acapnia physiology 612.2842
Acarids (Acarina) pathology 616.9685
Acarina zoology 595.42
Acarnania history, anc. 938.3
Acarophilism botany 581.55725
Acarosporaceae " 589.171
Accad history, ancient 935.4
Accelerants, education of 371.955
Acceleration
astronomy, lunar 523.33
chemodynamics 541.39
Accelerators
photographic developing 771.544
Accelerometers
aeronautic research 629.130782
Accent
architectural elevations 729.17
plans 729.27
English language 421.6
[3] other " —16
English prosody 426.1
[3] other lang. —61
landscape art 712.28

Acceptances trade
  financial economics 332.77
Accession
  dept library admin. 025.2
  records " " 025.24
  museum econ. 069.52
Accessories costume 391.4
  criminal law 343
  prac. chemistry 542.23
  school bldgs 371.629
  in other specific fields
[2] see subj. —078
Accessory
  express fees railways 385.13239
  nerve
    nucleus of anatomy 611.8187
    spinal " 611.83192
    physiology 612.81992
    of larynx 612.7821
  obturator nerve anatomy 611.83561
  passenger fees railways 385.13229
Accidence English grammar 425.1
[3] other lang. —51
Accidents
  administrative control 351.78
  avigation 629.13255
  child labor 331.35
  dairy industry 637.16
  demography 312.2
  hygiene, occupational 613.66
  industrial economics 331.823
  insurance business 368.41
    economics 331.25441
  motor vehicles 629.2136
  mountaineering 796.522
  ontology 111.4
  ordnance 623.483
  prevention of
    public health 614.8
  school, liability
    education 371.7
  surgery 617.1
  transport business 656
  women's employment 331.45
  See also Disasters
Acclimatization
  animal ecology 591.52
  differential psychology 136.25
  forest ecology 634.9476
  hygiene 613.11
  man's somatology 573.4
  plant breeding 631.525
  vegetable ecology 581.5224
  zootechny 636.0836
Accomac co., Va history 975.516
Accommodation
  psychology of will 159.3
  sociology 301.1533
Accommodators
  students' income 371.226
    univ. & col. 378.365
Accompaniment music 781.66
  sacred 783.1
Accomplices criminal law 343
Accomplishment and effort
  psychology of will 159.24
Accordion
  doors archi. constr'n 721.836
  wind instruments 788.9
Account, dealing on
  stock exchange 332.64
Accountability
  of man doctrinal theol. 233.4
  social criminology 364.34
Accounting
  apiculture 638.1116
  business 657
  butter industry 637.216
  cheese " 637.316
  dairy " 637.116
  domestic economy 647.1
  farm economics 631.16
  forestry 634.92824
  lac industry 638.3226
  laundry business 648.11
  library finances 025.114
  machines manufactures 681.14
    office equip. 651.264
  motor vehicles 629.2137
  museum economy 069.64
  of constr'n bldg indus. 692.7
  school 371.2
    finance, public 379.11
  zootechny 636.0816
  in other specific fields
[2] see subj. —00032
Accounts, public
  administration 351.72
Accouplement
  columnar design 729.325
Accouterments
  care of zootechny 636.0837
  military science 355.81
Accubation eating customs 394.1
Accumulator
  panels elec. stations 621.31728
  substations elec. eng. 621.31265
Accumulators
  by use & operation
    electric engineering 621.358

Accumulators (cont.)
electric engineering 621.354
station equip. 621.3125
hydraulic mech. eng. 621.254
telephony 621.38762
see also Batteries
Accuracy business letters 651.752
Aceology therapeutics 615.5
Acephala (Mollusca) zoology 594.1
Aceraceae botany 583.284
Acetabulum anatomy 611.7181
Acetate
films photographic chem. 771.523
process silk industry 677.464
Acetates diuretics 615.761
Acetone process
silk industry 677.461
Acetonuria physiology 612.46661
Acetylene
chemic technology 665.7
domestic lighting 644.314
heating prac. chemistry 542.44
light photography 771.445
stoves kitchen equip. 643.334
Acetylenes organic chem. 547.23
Achaemenian archi. styles 722.52
Achaeopterides paleobotany 561.5981
Achaia history, ancient 938.7
Achaian league " " 938.08
Achariaceae botany 583.458
Achatocarpaceae (Phytolaccaceae) botany 583.915
Achewa history 968.968
Achievement tests schools 371.26
Achiote (Bixaceae) botany 583.138
Achlamydosporeae " 583.04
Achlorophyllaceae " 589.9
Achnanthoideae " 589.6235
Acholi history 967.616
Achondroplasia pathology 616.996
Achras sapota (Sapotaceae)
fruitculture 634.431
Achromatiaceae botany 589.952
Achromatic sensations
drawing 741.45
Achromatism optics 535.4
Acid
poisons toxicology 615.921
reaction mesology 612.0144626
solutions silk industry 677.468
Acidosis physiology
of urine 612.46661
Acids
attacks by prac. chem. 542.9
Acids (cont.)
biliary physiology 612.35715
chemic technology 661.2
chemistry, theoretic 541.4
digestive therapeutics 615.7343
disinfectant pub. health 614.484
engraving 760.78
fatty metabolism, physiol. 612.39723
film base phot. chem. 771.542
fixed pharmacy 615.34
nucleic physiology
of nutrition 612.3981451
organic chemistry 547.7
pharmacy 615.338
qualitative analysis 544.13
uric physiology
of nutrition 612.398193
Acimous glands anatomy 611.692
Acipenseridae ichthyology 597.44
Ackewa history 968.968
Acne pathology 616.53
Acology therapeutics 615.5
Aconite (Ranunculaceae)
depressants 615.716
pharmacy 615.323111
toxicology 615.98
Acorine dis. apiculture 638.1532
Acorn, Colonial order of the
US societies 369.126
Acoustic
devices in adver. business 659.14
excitation physiology 612.8587
psychology 152.287
nerve, *See* Auditory nerve
perception physiology 612.8587
psychology 152.287
receivers radio 621.3841364
sense physiology 612.85
psychology 152.2
striae anatomy 611.81778
tables, problems, etc.
physics 534.9
transmission apparatus
manufactures 681.631
Acoustics
architectural plans 729.21
music 781.1
physics 534
physiologic science 534.7
Acoustimeters psychophysics 152.8242
Acquisition
methods library accession 025.22
museum economy 069.51
psychology of learning 154.4

Acquit à caution tariff 337.83
Acraniata (Leptocardii)
ichthyology 597.1
Acrasiales (Acraceae) botany 589.292
Acrididae entomology 595.727
Acrobatism athletics 796.47
Acrobats recreation 791.1
Acrocarpi botany 588.214
Acrogens (Cryptogamia)
botany 586
Acrographs photography 777.3
Acrogynous jungermanniaceae
botany 588.311
Acrolithic sculpture fine arts 731.27
Acromioclavicular joint anat. 611.72724
Acromion anatomy 611.7171
Acromiothoracic arteries
anatomy 611.1341
Acromyodi ornithology 598.81
Acropolis, Athens archi. 722.8
Gk antiq. 913.385
Acrospermaceae botany 589.2333
Acrostics games 793.73
Acrotylaceae botany 589.414
Actinaria zoology 593.65
Acting ethics 175.2
theater 792
Actinidiaceae botany 583.1661
Actinism
optics 535.85
photographic sensitometry 771.5345
Actinium chemistry 546.842
processes phot. 772.66
Actinodiscaceae botany 589.6224
Actinometers
exposure photography 771.37
print " 771.41
thermology 536.6
Actinomycetaceae botany 589.953
Actinopolychromes phot. 778.6
Actinotherapy 615.831
Actinotrocha worm (Phoronis)
zoology 595.176
Actinozoa zoology 593.6
Action
art anatomy 743.2
consciousness analysis
psychometry 152.830905
cosmology 116
deliberate psychol. of will 159.223
free " " " 159.1
freedom of polit. sci. 323.441
ontology 111.6
psychology 158
voluntary psychol. of will 159.2
Actions and defenses
legal procedures 347.9
Active being ontology 111.61
Activity
in general 007
sensations physiology 612.885
psychology 152.67352
Actoni grape viticulture 634.849
Actors 792.069
biography 927.92
Acts and resolves
English statutes 346.1
US " 345.1
Acts of
Jesus Christ Christology 232.9
societies, etc., in specific
[2] fields see subj. —06
the Apostles 226.6.
pseudepigrapha 229.92
Actuarial science insur. 368.01
math. 519.5
Aculeata entomology 595.794
Acupuncture therapeutics 615.814
Acute arches
architectural construction 721.422
Acuteness, auditory
physiology 612.85871
psychology 152.2871
Ad valorem
duties public finance 336.264
vs specific duties protection 337.32
Ada co., Ida history 979.628
Adages folklore 398.9
Adagio music form 781.50812
Adair co., Ia history 977.773
Ky " 976.9675
Mo " 977.8264
Okla " 976.689
Adam
Adam Fitz-, *pseud.*
English essays 824.61
de la Halle Fr. drama 842.12
furniture fine arts 749.223
Kok's land history 968.63
Onkel, *pseud.* Swed. fict. 839.7364
Messianic promises to
Christology 232.121
Adamanteans
phot. chemistry 771.5322
Adamantine process phot. 777.2
Adamawa history 967.16
Adamitism heresies 273.9
Adam's fig (Musaceae)
fruitculture 634.773

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Adams
John pres. US hist. 973.44
Quincy, " " " 973.55
Adams co., Colo history 978.881
Ida " 979.626
Ill " 977.344
Ind " 977.273
Ia " 977.776
Miss. " 976.226
Neb " 978.2397
O " 977.186
Pa " 974.842
Wash " 979.734
Wis " 977.556
Mt, Wash descr. 917.97755
Adana history 956.4
Adaptability physiology 612.0144
psychology 137.3
Adaptation
animal ecology 591.522
biology 575.4
forest ecology 634.9476
muscular, and attention
psychology 152.72315
music composition 781.64
psychology of will 159.3
sensory, and fatigue
psychology of work 158.744
vegetable ecology 581.522
fertilization 581.166256
Adaptations music form 781.50838
Adapters
camera photography 771.32–.33
lens " 771.353
prac. chemistry 542.231
Adcock antennas radio 621.38413556
Adder's-mouth (Orchidaceae)
botany 584.15
Adder's-tongue
(Ophioglossales) botany 587.331
Addiction, drug ethics 178.8
hygiene 613.8
psychology 132.73
Adding machines
manufactures 681.141
mathematics 510.78
office equip. 651.2641
Addington and Lennox co.
Ont history 971.359
Addison, Joseph Eng. essays 824.52
Addison co., Vt history 974.35
Addison's disease pathol. 616.45
Additive processes
color photography 778.65
Address, opening
business letters 651.753
Addresses
and petitions
control over admin. 351.97
legislative procedure 328.372
[2] on specific topics see topic —04
see also Oratory
Addressing machines
writing mediums 652
Adductor hallucis anatomy 611.7389
Adductors, femoral " 611.73824
Adelphia, *see* Fetuses, coalescent
Aden history 953.3
Adenoid tissue histology 611.01824
Adenoids pathology 616.21
surgery 617.42
see also Retropharingeal glands
Adenology anatomy 611.4
Adephaga entomology 595.762
Adesmy veget. teratology 581.222
Adhesion
abnormal
veget. teratology 581.2213
locomotive engineering 621.1311
physics 539.2
physiologic botany 581.1151
surgery 617.2
Adhesive clips
office supplies 651.4662
Adhesives
chemic technology 668.3–.4
masonry bldg industry 691.5
engineering 620.15
see also Glue, Mucilage, etc.
Adinida botany 589.9733
Adipogenic function
physiology 612.3522
Adipose bodies anatomy 611.39
tissue histology 611.01826
Adiposity physiology 612.3977
Adirondack Mts, NY history 974.753
Adjectives Eng. etymology 422.6
[3] other lang. —26
Eng. morphology 425.16
[3] other lang. —516
Eng. syntax 425.6
[3] other lang. —56
Adjournment legislature 328.356
Adjustable tooth harrow
farming 631.3131
Adjusting
clockwork 681.1127
optic instr. mech. trades 681.44

Adjustment
and nat. selection bot. 581.15142
biology 575.4
psychology of will 159.3
vegetable ecology 581.5224
Adjutages hydraulics 532.52
Adjutant general US gov't 353.6
Adjutant's dept.
military administration 355.61
Adjutants military science 355.33
Adler school psychoanal. 131.3463
Administration
central, *see* Government
control over sociology 351.9
engineering works 621.704
forestry 634.9282
library economy 025
museum " 069.6
office " 651.4
sociology 350
[1] **univ. & col.** 378
in other specific fields
[2] see subj. —0003
Administrative
action, subj. to sociol. 351.7
bldgs architecture 725.1
city planning 711.661
centers " " 711.451
" zoning 711.551
centralization of
[1] foreign countries 354
US 353.01
control over pub. offices 351.91
courts civil service 351.95
functions in specific fields
[2] see subj. —00035
law **sociology** 350
reform civil service 351.6
Administrators
[1] **polit. sci. biography** 923.5
public family law 347.6
Admiral's islands history 969.5
[1] **Admirals biography** 923.5
[1] Admiralty foreign gov't 354
islands history 993.7
maritime law 347.7
Admirari, Nil, *pseud.*
American wit 817.33
Admission school standards 371.21
Adnexa uteri anatomy 611.65
Adobe construction masonry 693.22
Adolescence
diet of physiology 612.394
diseases of pathology 618.92
psychology of 136.7354
see also Childhood, Infancy
Adolescent mortality
demography 312.2
public health 614.133
Adolf German history 943.026
Adonhiramite secret societies 366.1
Adoption child welfare 362.73
family law 347.6
Adoptionism heresies 273.9
Adoration of shepherds
Christology 232.922
Adoxaceae botany 583.513
Adrar, Sp. history 964.8
Adrenals (Adrenal glands) *see*
Suprarenal bodies
Adriatic Sea history 945
physiography 551.462
Adsorption
of gases chemistry 541.3443
physics 533.1
liquids " 532.7
Adult
bee diseases 638.153
division Sunday schools 268.434
education 374
and library 021.2
buildings architecture 727.97
museum functions 069.107
[2] in specific fields see subj. —0714
mortality demography 312.2
public health 614.134
psychology 136.5
Adulterations
butter industry 637.26
chemic analysis 543
technology 660
dairy industry 637.16
fertilizers 631.818
lac industry 638.3266
of beeswax apiculture 638.176
honey " 638.1665
public health 614.3
Adultery criminal law 343
ethics 176.6
Adults, libraries for 027.622
Advanced colleges education 378.1542
Advent
holiday Catholic ritual 264.021
Greek " 264.0191
Prot. Epis. " 264.031
etc.
2d Christology 232.6
[1] **Adventists sect. history** 286.7
Adventitious roots
vegetable morphology 581.4986
Adventive plants floristics 581.5277
[1] **Adventurers biography** 923.9

Adventures, travels, etc. 910
Adverbs English etymology 422.9
[3] other lang. —29
English syntax 425.9
[3] other lang. —59
Adversaria literary meth. 029.4
Adversity pauperism 339.1
Advertizements, commercial
[2] in specific fields see subj. —085
Advertizing
ageneies business 659.112
aircraft service 629.13869
business 659.1
copy business 759.1322
direct business 659.133
distribution channels bus. 659.114
for contracts bldg indus. 692.4
workmen labor demand 331.1151
governmental 351.8
illus. for drawing 741.67
in special publications bus. 659.1327–8
layout business 659.1324
legal business 659.1326
library propagandism 021.73
lucrative vs nonlucrative
business 659.10112
luminous business 659.136
mediums " 659.13
motor vehicles 629.213821
newspaper expenses 070.348
income 070.36
sales methods 070.336
projectors cinephot. 778.554
psychology business 659.10115
publishing 655.55
radio manufactures 621.3841844
structures business 659.134
city planning 711.68
see also Publicity
Advice, executive legis. 328.372
Advisers, student education 371.42
Advocacy legal procedure 347.92
[1] **Advocates biography** 923.4
faculty of law 347.069
Advowson canon law 348
Ae — *see also* E —
Aecidiaceae botany 589.225
Aegean archi. styles 722.61
Sea history 949.9
anc. 939.1
Aegina " " 938.5
marbles sculpture 733.385
Aelfric, Abbot
Anglo-Saxon literature 829.6
Aeluridae mammalogy 599.74444
Aeluroidea " 599.7442
Aeluropodidae " 599.74445
Aerated bread cookery 641.631
Aeration brewing tech. 663.3
physiol. botany 581.1212
waterworks 628.16
Aerenchyma veget. morphol. 581.423
Aerial
beacons architecture 725.39
bridges engineering 624.86
cable manufactures 677.73
layering plant culture 631.5344
lighthouses airport equip. 629.1365
navigation 629.1325
perspective drawing 742.5
photography f. arts 778.35
routes avigation 629.13253
sickness " 629.132564
physiology 612.27511
topography avigation 629.13254
toys, children's 796.15
tramways logging 634.982532
see also Air
Aerials, *see* Antennas
Aerobatics avigation 629.13252
Aerobic cells physiology 612.01411
Aerodromes aeronautics 629.136
Aerodynamic coefficients
aeronautics 629.1307253
Aerodynamics engineering 629.1323
physics 533.6
Aerographs photography 771.45
Aerolites astronomy 523.51
petrology 552.6
Aerology meteorology 551.5
physics 533.3
Aerometer prac. chemistry 542.32
Aeronautic
quarantine public health 614.461
research equip. eng. 629.13078
sickness aeronautics 629.132564
Aeronautics 629.13
military engineering 623.74
physics 533.6
Aerophytes, *see* Epiphyta
Aeroplanes, *see* Airplanes
Aerostatics engineering 629.1322
physics 533.6
Aerostation engineering 629.1332
sports 797.5
Aerotropism botany 581.1832352
Aeschines Greek oratory 885.5
Aeschylus " drama 882.1

Aesculaceae (Hippocastanaceae) botany 583.285
Aesopus Greek classics 888.6
Aestivaliae (Euvites)
agriculture 634.845
Aetna Latin poem 871.7
Aetolia history, ancient 938.3
Aetolian league " " 938.08
Aetzpinsel photography 771.45
Aextoxicaceae botany 583.283
[4] **Afar-Saho language 493.54**
Afer, P T Latin drama 872.5
Affections
lines of palmistry 133.6432
physiology of brain 612.82133
psychology 157
Affective type personality 137.45
Affenthaler grape vitic. 634.8543
Affidavits legal procedure 347.94
Affinity chemistry 541.39
family law 347.6
plant grafting 631.5411
Affixes English etymology 422.2
[3] other lang. —22
Afflicted
libraries for 027.66
parish care of religion 258
Afforestation silviculture 634.956
Affusion, baptismal
sacraments 265.1
Afghani
[4] **language 491.58**
religions comp. theol. 299.158
Afghanistan history 958
Afmadu history 967.68
Africa
campaigns, 1914 Eur. w. 940.4235–8
1915 " " 940.4268
1916 " " 940.4298
1917 " " 940.4338
1918 " " 940.4388
history 960
North Central & West hist. 966
North history 961
Propria " anc. 939.73
South Central history 967
South history 968
African goose (Anseres) agric. 636.59886
languages 496
Hamitic 493
literature 896
Semitic 492.8
[1] Methodist church 287.8
[4] **Afrikaans language 439.36**
After-
brain anatomy 611.818
dinner speeches
dom. econ. 642.48
images, retinal physiol. 612.84352
psychol. 152.1352
noon tea cookery 641.53
dom. econ. 642.2
sensations, retinal
physiology 612.84352
psychology 152.1352
Agadir history 964.6
Agamogenesis biology 574.165
botany 581.165
zoology 591.165
Agapes public worship 264.8
Agaricaceae botany 589.222
Agates geology, economic 553.8
Agateware chemic technology 666.6
kitchen equipment 643.35
pottery ceramics 738.34
Agati macrocarpa (Fabaceae)
field crops 633.566
[4] **Agau language 493.56**
Agave fibers (Amaryllidaceae)
cordage manufactures 677.71
field crops 633.577
Agavoideae (Amaryllidaceae)
botany 584.25
Agawam grape viticulture 634.84709
Age
and celibacy demography 312.5
crime sociology 364.242
marriage demography 312.5
medicines therap. 615.54
mortality demography 312.2
pub. health 614.13
determination
forest mensuration 634.928533
estimation zootechny 636.08116
forest cutting 634.9524
grafting agriculture 631.5412
mental psychologic norms 151.263
of man physiology 612.68
old, *see* Old age
retirement labor econ. 331.13
statistics demography 312.9
suffrage requisites 324.11
Agelaga island history 969.47
Agencies
advertizing business 659.112
employment, *see* Employment bureaus
marketing methods 658.833
sales retail methods 658.877

Agents
de charge fin. economics 332.62
law jurisprudence 347.4
of production, combination
of econ. theory 338.016
sales business methods 658.847
Ages, archeologic 571
geologic 551.7
Age-to-come adventists
sectarian history 286.7
Agfa process phogography 778.66
Aggeus Bible 224.97
Agglutinants
building industry 691.5
masonry engineering 620.15
of blood physiology 612.11144
Agglutination mesology 612.0144625
philology 401
Agiotage financial econ. 332.64
foreign exchange 332.45
Agnosticism heresies 273.8
nat. theology 211
philosophy 149.7
Agnus Dei music 783.22
Agon games 794.2
Agostenga grape vitic. 634.8545
Agra history 954.2
Agrapha Christology 232.98
Agraphia medicine 616.855
psychology 132.155
Agrarian laws polit. econ. 333.00037
Agreements
bldg industry 692.4
ethics 174.7
labor, cancellation of
economics 331.13
economics 331.11
private law 347.4
trade indus. relations 331.157
Agricola, Martin Ger. poet. 831.41
Agricultural
areas regional planning 711.32
bacteriology agronomy 630.28995
botany 589.95863
botany agronomy 630.28
chemistry " 630.24
farming 631.41
colonies polit. science 325.312
production 338.12
commodity exchanges
farm economics 631.18
financial " 332.61
competitions 630.79
courses in nonagric. instit. 630.716
credit instit. fin. econ. 332.311
credits " " 332.71
Agricultural (cont.)
depressions economics 338.15
economics 631.1
engineering 631.6–.7
engines
portable steam eng. 621.156
traction " " 621.146
finance economics 338.13
geology agronomy 630.25
economic geology 553.6
farming 631.4
implements farming 631.3
insurance business 368.5
labor polit. economy 331.763
land economic use 333.76
machinery
cooperative ownership 334.63
marketing production 338.14
meteorology 630.2515
protection 632.1
pests 632
economic botany 581.69
zoology 591.69
physics agronomy 630.23
of soil farming 631.43
practises lands. art 715.15
products economics 338.1
mil. resources 355.24
regions 631.091
rent of land
political economy 333.5
schools 630.712
system polit. economy 330.152
zoology agriculture 630.29
Agriculture 630
admin. regulations 351.823
aircraft service in 629.13863
and climate 631.9
cooperative 630.62
polit. econ. 334.6
production 338.12
department of 630.61
Agrimony (Rosaceae) botany 583.37
Agrippa, Cornelius philos. 189.5
Agronomists 630.69
biography 926.3
Agronomization production 338.018
Agronomy 630
Agrostideae botany 584.933
grass crops 633.285
Agrostology botany 584.9
Aguacata (Lauraceae) fruitc. 634.653
Aguascalientes history 972.4
Ague, *see* Malaria
Aguirre sheep (Bovidae)
domestic animals 636.366

Ahir history 966.28
Ahuramazda Zoroastrianism 295
Aichi history 952.168
Aid
according to
kind welfare work 361.4
person " " 361.3
place " " 361.2
funds labor economics 331.17
poor relief 362.53
medical indus. hygiene 331.822
welfare work 361.1
[1] public, to schools educ. 379.121
soc., charitable sociol. 361.06
cooperative
political econ. 334
student univ. & col. 378.362
teachers' education 371.17
state, to education 379.12
thru work economics 331.61
to employes economics 331.25
libraries, government 021.83
Aides-de-camp mil. staff 355.33
Aidin history 956.2
Aids to digestion therap. 615.734
Aiken co., SC history 975.775
Ailanthus (Simarubaceae)
botany 583.241
Ailerons aircraft constr'n 629.13433
Ain history 944.44
Ain-Sefra history 965.7
Air, Niger history 966.28
Air
abnormal
physiol. of respiration 612.2231
action of mesology 612.014464
analysis chemistry 543.7
and ground, urban
public health 614.78
attack, defense against
military engineering 623.38
baths, hot hygiene 613.46
brakes railway engineering 625.25
cleaners mot. veh. engine 629.2537
cocks steam boilers 621.18479
complemental physiology 612.24
compressed, *see* Compressed air
compressibility of physics 533.2
compressors engineering 621.51
conditioning bldg indus. 697.9
san. eng. 628.8
see also Ventilation
confined, respiration in
physiology 612.233
Air (cont.)
cooling mot. veh. engine 629.2562
dielectric strength radio 621.384176
engines mech. engineering 621.4
expired physiology 612.231
fans aircraft equipment 629.13513
flow aerodynamics 629.13232
gun shooting sports 799.39
small arms 623.4422
hygiene 613.1
of indus. sanitation 628.5
public health 614.7
in soil agriculture 631.433
lines business 656
liquid physics 533.2
machines refrigeration 621.575
mail aircraft service 629.13823
meteorology 551.5
passages anatomy 611.2
pathology 616.2
physiology 612.2
pneumatics 533
pressure aerostatics 629.1322
meteorology 551.54
pump mot. veh. equipment 629.2724
pneumatics 533.5
prac. chemistry 542.77
purification hygiene 613.15
quality of
respiratory chemistry 612.223
radiation mot. veh. engine 629.2562
raid defenses & shelters
military engineering 623.38
rarefied therapeutics 615.836
residual physiology 612.24
respiratory chemistry 612.2208
rights land economics 333.92
screws aircraft 629.13436
service military eng. 623.74
science 358.4
tidal physiology 612.24
topography avigation 629.13254
transport bldgs archi. 725.39
commerce 387.7
engineering 629.13
pub. health 614.86
vs railways
railroads 385.127
ventilation san. eng. 628.8
visualization aeronautics 629.1307253
ways avigation 629.13253
min'g ventilation 622.45
worship comp. religion 291.2125
see also Aerial

Air-bladder anatomy 611.29
comp. 591.42
and locomotion
physiol. 612.767
brush photography 770.2843
equip. 771.45
craft accessories eng. 629.1358
antennas radio 621.3841359
anti-, guns ordn. 623.41
commer. eng. 629.1382
constr'n " 629.134
engineering 629.133
equipment eng. 629.135
factories archi. 725.456
performance tests 629.1345
use in adver. 659.135
vs other transport
engineering 629.1381
ducts ventilation 697.9
foils aircraft constr'n 629.134323
planes aviation 629.13334
children's toys 796.15
military eng. 623.746
plants, *see* Epiphyta
port districts
city planning 711.553
ports aeronautics 629.136
city planning 711.453
ship motors
combustion engines 621.4387
ships engineering 629.13324
military eng. 623.741
sickness avigation 629.132564
physiology 612.27511
Airs, nat'l, *see* Songs, nat'l
Airy's
determination of earth's
figure geodesy 526.15
theory geodesy 526.14
Aisles church archi. 726.592–.593
Aisne
dept, Fr. history 944.34
River, Fr. Eur. w.
1914 940.4216
1917 940.4316
air raids 940.447
1918 940.4343
Aitkin co., Minn hist. 977.672
Aix-la-Chapelle, congress of
1818 international law 341.1
Aizoaceae botany 583.475
Aizu history 952.1181
Ajugoideae (Labiatae) bot. 583.891
Ajutages hydraulics 532.52
Akaniaceae botany 583.252
Akenside, Mark Eng. poet. 821.62
Aki history 952.1975
Akita " 952.116
Akkad " ancient 935.4
Ako " 952.955
Akron, O " 977.1361
Alabama
and Kearsarge ships
operations, 1864
US Civ. war 973.754
ship, claims Eng. hist. 942.081
US " 973.722
US Civ. war 973.757
state, admission US hist. 973.54
history 976.1
See note under **Virginia**
secession US hist. 973.713
Alabaster
geology, economic 553.63
process photography 772.14
sculpture fine arts 731.263
solutions phot. chem. 771.546
Alachua co., Fla history 975.979
Aladdin oven cookery 641.588
kitchen equip. 643.338
Alamanac co., NC history 975.658
Alamanni, Luigi It. poetry 851.36
Alameda co., Calif. hist. 979.465
Alamosa co., Colo " 978.836
Alangiaceae botany 583.416
Alani history, ancient 936.314
Alarcón, P A de Sp. fict. 863.5
y Mendoza
Juan Ruiz de
Span. drama 862.34
Alarm clocks manufactures 681.1137
reckoners horology 681.1186
Alarms, fire local gov't 352.3
library equipment 022.94
signals 654.7
Alaska
history 979.8
See note under **Virginia**
purchase, 1867 US hist. 973.81
Alb practical religion 247.7
Albania
Asia hist., anc. 939.56
Europe
campaign, 1914 Eur. w. 940.4228
1915 " " 940.4258
1916 " " 940.4288
1919 " " 940.4378
history 949.6
Albanian language 491.991
swine (Suidae)
domestic animals 636.474

Albany
Cape Colony history 968.757
city, Ga " 975.8951
convention, 1754 US hist. 973.26
co., NY history 974.742
Albatross
island, Indian Ocean hist. 969.84
(Longipennes) ornithology 598.42
Albemarle
and Sassacus, ships
operations, 1864
US Civ. war 973.754
co., Va history 975.548
Sound, NC
history 975.612
operations 1864
US Civ. war 973.754
Alberini process photography 776.1
Albert
Fr. Eur. w., 1918, Mar. 940.4341
Aug. 940.4353
Nyanza history 967.614
process photography 778.66
Alberta history 971.23
Alberti, L B Italian essays 854.21
Albertypes photography 774.1
Alberus, Erasmus Ger. poet. 831.43
Albicantia anatomy 611.8142
Albigenses
French history 944.023
religious persecutions 272.3
[1] **sectarian history 284.4**
Albigensian sheep (Bovidae)
domestic animals 636.3467
Albinism anim. variation 591.157
botany 581.2242
pathology 616.55
veget. variation 581.157
Albrecht 1 German hist. 943.026
2 " " 943.028
Albuginaceae botany 589.252
Albugineae anatomy 611.6313
Albumin
as food physiol. of nutrition 612.3985
painting medium 751.242
photographic chemistry 771.58
physiology of nutrition 612.398131
silver processes phot. 772.13–.14
Albuminoid
derivates, absorption in intestines physiology 612.33274
reserves physiol. botany 581.133856
Albuminoids
and absorption physiol. 612.3824
blood " 612.118221
gastric digestion physiology 612.3224
nitrogen compounds physiol. of nutrition 612.39816–19
pancreatic digestion physiology 612.3424
as acids
physiol. of nutrition 612.398135
chemistry of blood 612.124
formation of
physiol. of nutrition 612.3986
in intestinal digestion physiology 612.3324
lactic secretion physiology 612.66434
milk physiology 612.66414
muscle " 612.74414
metabolism, physiologic 612.3982
chem. 612.015348
physiology of nutrition 612.398
vegetable
physiology of nutrition 612.39815
Albuminoses in urine
physiology, pathologic 612.46668
Albumins
chemistry of blood 612.124
silk industry 677.472
value, thermodynamic
physiol. of nutrition 612.3985
Albuminuria
physiology 612.461269
pathol. 612.46622
toxic physiol. 612.4642
Albumose
physiol. of nutrition 612.39817
Albums in specific fields see
[2] subj. —084
Alcantarines Franciscans 271.35
Alcatico grape viticulture 634.8545
Alchemy chemistry 540.1
Alciphron Greek letters 886.2
Alcofribas, *pseud.* Fr. wit 847.32
Alcohol
and intelligence
physiol. of brain 612.82144
nutrition physiol. 612.3931
as food domestic economy 641.13
cooking by " " 641.585
denatured chemic tech. 661
effect on ment. hygiene
psychology 131.3344

Alcohol (cont.)
engines agric. power 631.3716
motor vehicle 629.25143
heart stimulants 615.711
heating prac. chemistry 542.43
in tissues
metabolism, physiologic 612.39622
lamps
photographic lighting 771.4435
medicinal use of ethics 178.1
public health 614.351
steam boiler fuels 621.18223
stoves kitchen equip. 643.335
toxicology 615.964
tractors agriculture 631.3722
Alcoholic
beverages chemic tech. 663
crime prevention 364.44
pub. health 614.341–.345
temperance 178
dementia medicine 616.89812
psychology 132.19812
see also Delirium tremens, Dipsomania, Mania a potu
ferments botanic chem. 581.193461
physiol. " 612.015161
treatment prac. " 542.6
Alcoholism
and genius psychol. 151.164
chronic medicine 616.898123
psychol. 132.198123
hygiene 613.81
medicine 616.861
psychology 132.161
temperance 178.6
see also Delirium tremens, Dipsomania, Mania a potu
Alcohols organic chemistry 547.3
painting solvent 751.247
Alcona co., Mich history 977.479
Alcorn co., Miss. " 976.299
Alcott, L M Amer. fiction 813.41
syst. school discipline 371.58
Alcyonaria zoology 593.62
Aldabra islands history 969.42
Aldehydes
organic chemistry 547.5
Alder (Betulaceae) botany 583.978
Aldermen local government 352.008
Alderney
cattle (Bovidae)
dom. anim. 636.2242
island history 942.34
Aldine editions rare books 094.1
type printing 655.24
Aldrich, T B Amer. fiction 813.44
Aleardi, Aleardo It. poetry 851.81
Alectorides ornithology 598.32
Alemanni history, ancient 936.331
Alembert, J L d'
French essays 844.53
Alembics prac. chemistry 542.48
Alemtejo history 946.95
Aleppo " 956.8
Eur. w. 940.4381
Alert, ship Amer. revolution 973.353
Ales brewing technology 663.3
Alethopterides botany 585.977
paleobotany 561.5977
Alethoscopes photography 771.46
Aletia xylina (Noctuina)
agricultural pests 632.786
Aletroideae (Liliaceae) bot. 584.32
Aleurodidae entomology 595.7526
Aleurone grains veget. cytol. 581.8742
Aleutian islands history 979.8
Alexander 2 Russian history 947.08
3 " " 947.08
co., Ill history 977.3999
NC " 975.6795
Alexandra, Natal " 968.48
Alexandretta " 956.9
Alexandria
Cape Colony history 968.756
Egypt " 962.11
La. " 976.3691
Va " 975.5296
Alexandrian archi. styles 722.8
Greek language 487.2
group philosophy 186.4
library 027.032
Alexia medicine 616.855
psychology 132.155
Alexis, Willibald, *pseud.*
German fiction 833.75
Alfa fibers (Agrostideae)
cordage manufactures 677.71
field crops 633.583
textile manufactures 677.542
Alfalfa co., Okla history 976.622
(Fabaceae) field crops 633.31
Alfieri, Vittorio It. drama 852.64
Alfonso 10, el Sabio Sp. hist. 946.02
lit. 868.11
11 Spanish history 946.02
lit. 868.14
12 " history 946.08
13 " " 946.08

Alfred the Great
  Anglo-Saxon literature 829.7
Alfred, Natal history 968.49
Alfurese language 499.2287
  lit. 899.228
Algae botany **589.3**
Algal
  diseases pathologic bot. 581.2323
  fungi (Phycomycetes) " **589.25**
Algaroba (Caesalpiniaceae)
  fruitculture 634.462
Algarotti, Francesco It. poet. 851.58
Algarve history 946.96
Algebra 512
    abstract 512.89
    higher **512.8**
    universal & multiple 512.89
Alger, Algeria history 965.3
    co. Mich " 977.493
Algeria history **965**
    war with, 1815 US hist. 973.53
Algerian
  carpet manufactures 677.643
  Kabyle language 493.3
  sheep (Bovidae)
    dom. anim. 636.386
Algerine wars, 1801–05
  US hist. 973.47
Algicides agric. preparations 632.952
    protection 632.4
Algiers history 965.3
Algoma district history **971.313**
Algometers psychophysics 152.82454
Algraphy lithography 763.23
Alhambra architecture 725.170946
    history 946.8
Alicante grape viticulture 634.8546
Alien
  and sedition acts, 1798
    US history 973.44
  labor economics 331.62
  owners land " 333.4
Alienation
  of territory polit. sci. 320.127
  real property **333.33**
Alienism medicine **616.8**
    psychology **132**
Aliens
  deportation of immig. 325.154
  economic classification 331.113
  emigration **325.2**
  enemy military sci. 355.23
    war prisons 365.45
  international law 341.5
  naturalization 323.62
Aliens (cont.)
  registration of polit. sci. 325.152
  rights " " " 323.67
  taxation 336.294
  see also Emigrants, Foreigners, Immigrants
Alighieri, Dante It. poet. 851.15
Aligoté grape viticulture 634.8544
Alima River history 967.26
Alimentary canal
  anatomy **611.3**
  and sympathetic syst.
    physiol. 612.898
  physiology **612.3**
Alimentation
  and calorimetry physiol. 612.5121
    glycogenesis " 612.35219
    nitrogenous metabolism
      physiology 612.461231
  forced hygiene 613.23
Alimony private law 347.6
Alinement city bldgs 711.64
    sewerage eng. 628.218
Alismatales botany **584.7**
Alismatineae " 584.721
Aliwal North history 968.771
    South " 968.738
Alkahest alchemy 540.1
Alkali
  group chemistry **546.31**
  land plants veget. ecol. 581.526523
Alkalies chemic technology 661.3
Alkalimetry
  quantitative anal. 545.2
Alkaline
  accumulators elec. eng. 621.356
  developers phot. chem. 771.544
  earths chemistry **546.4**
  hydroxid solution
    silk indus. 677.468
  poisons toxicology 615.922
  reaction mesology 612.0144626
  waters geology, econ. 553.71
Alkaloid bases
  physiology of nutrition 612.398195
Alkaloidal plants field crops **633.7**
Alkaloids
  and intelligence
    physiology of brain 612.82141
  pharmacy 615.336
Alkoran Mohammedanism 297
All fools day folklore 398.33211
    soc. customs 394.268
  fours card games 795.42

All (cont.)
hallows' eve, *see*
Halloween
Saints day
Catholic ritual 264.021
Greek " 264.0191
Prot. Epis. " 264.031
etc.
Allamakee co., Ia history 977.733
Allantoin physiol. of urine 612.461263
Allantois embryology 611.01382
pedicle of anat. 611.622
Allatoona, Ga, battle, 1864
US Civil war 973.7372
Allegan co., Mich history 977.414
Allegany co., Md " **975.294**
NY " 974.784
Alleghany
county, NC " 975.683
Va " 975.581
crest dist. WVa " **975.48**
Mountains " **975**
Allegheny county, Pa " **974.885**
region, " " **974.89**
Allegiance int'l law 341.51
naturalization 323.62
polit. science 320.158
private law 347.1
state ethics 172.1
teachers' educ. 371.1
Allegoric illus. f. arts 704.946
paintings " " 753
Allegories rhetoric 808
Allegretto music form 781.50813
Allegro " " 781.50811
Allemande " " 781.50851
Allen co., Ind history 977.274
Kan " 978.194
Ky " 976.973
O " 977.142
parish, La. " 976.358
Allendale co., SC " 975.777
Allergy medicine 615.37
Alley areas city planning 711.583
Alleys city planning 711.74
Alliance, Holy ch. hist. 270.8
int'l law 341.24
ship Amer. revol. 973.357
[1] **Alliances** int'l law 341.2
of states polit. sci. 321.022
Allied forces mil. organiza. 355.356
Allier history 944.57
Allies of cen. powers Eur. w. 940.334
Entente " " 940.332
Alligation arithmetic 511.8
Alligator
(Crocodilia) herpetology 598.14
farming agriculture 639.3799
pear (Lauraceae) fruitc. 634.653
Allioideae (Liliaceae) botany 584.32
Alliteration games 793.71
[3] prosody 416
rhetoric 808
Allium (Liliaceae)
garden crops **635.25–.26**
Allodium private law 347.2
tenure land econ. 333.32
Allonyms bibliography **014**
Allopathy therapeutics **615.5**
Allotment land economics 333.38
Allotrophy physiol. botany 581.1333
Allotropism chemistry 541.7
Alloying numismatics 737.44
Alloys
and alloying metallurgy **669**
chemistry, theoretic 541.4
coinage metals 332.418
light mot. veh. materials 629.23226
metal manufactures **671**
precious metals arts 739.212
strength of engineering 620.18
Allseeds (Polycarpeae) bot. 583.1541
Allspice
Carolina (Calycanthaceae)
botany 583.113
(Myrtaceae) field crops 633.831
Alluring devices
biologic collecting 579.611
Alluvium geology **551.35**
Almanacs
advertizing by bus. 659.137
and calendars
[2] in specific fields see subj. —059
chronology 529.43
for teachers educ. 370.59
nautic astronomy **528**
statistical sociology **310**
Almeria grape vitic. 634.849
Almond family (Rosaceae)
nuciculture **634.55**
Almonries architecture 726.796
Almquist, C J L Swed poet. 839.7166
Alms ethics 177.7
sacramentals 264.9
Almshouses architecture 725.55
pauperism 339.16
sociology 362.51
Aloe, Amer. (Amaryllidaceae)
cordage mfg. 677.71
fiber crops 633.5774
(Liliaceae) botany 584.32

Aloes pharmacy 615.32432
toxicology 615.93
Alopecia pathol. 616.54
Alpaca (Camelоidea)
domestic anim. 636.296
mammalogy 599.7354
fabrics dom. econ. 646.13
industry 677.32
Alpena co., Mich hist. 977.481
Alpenhorn wind instr. 788.9
Alpes-Maritimes history 944.94
Alpha rays radioactivity 539.7
test psychology 151.22232
Alphabet elem. educ. 372.4
English lang. 421.1
3 other " —11
Alphabetic system
office filing 651.5332
Alphabetico-classed
catalogs bibliography 019
Alphabets
manual
educ. of deaf & mute 371.912
ornamental arts & crafts 745.6
philolology 411.1
radio service 621.38419214
Alphen, Hieronymus van
Dutch poetry 839.31147
Alphonso the Wise
see Alfonso 10, el Sabio
Alpine counties, SC hist. 975.72
co., Calif. hist. 979.443
gardens floric. 635.9672
goat (Bovidae)
domestic anim. 636.3936
plants floric. 635.9526
regions
veget. ecology 581.524444
strawberry (Rosaceae)
fruitculture 634.753
troops infantry 356.16
vegetation
landscape art 715.17367
see also Arctic, Nival
Alpinism sports 796.52
Alps history 949.4
Alsace-Lorraine
campaign 1914 Eur. w. 940.4219
1915 " " 940.4246
history, France 944.38
Germany 943.44
Alsatian fowls (Gallinae)
agriculture 636.538
Alsinaceae
(Caryophyllaceae) bot. 583.152
Alsineae botany 583.1542
Alsinoideae " 583.154
Alsop, George Amer. wit 817.12
Richard " poet. 811.25
Alta co., Idaho history 979.632
Altaic, Ural-, languages 494
Altar cloths religion 247.7
rails archi. 729.968
screens archi. 729.962
Altarpieces painting 751.72
Altars architecture 729.912
comp. religion 291.35
ecclesiology 246.6
Altazimuth astron. instr. 522.42
Alternating
current mach. elec. eng. 621.3133
transmission
elec. eng. 621.31913
standard bimetalism 332.423
Alternation silvics 634.94825
veget. ecol. 581.5245
Alternators
high frequency radio 621.3841314
Altimeters aircraft equip. 629.13514
Altitude
avigation 629.13252
effect veget. ecol. 581.5423
high
effects of physiol. 612.2751
sanitariums sociol. 362.13
measurement physics 533.4
surveying 526.94
meteorology 551.53
single, and time finding
chronology 529.73
therapeutics 615.835
Altitudes, equal
and time finding
chronol. 529.72
Altogravure process phot. 777.1
Alton, Ill history 977.386
Altoona, Pa " 974.876
Altruism ethics 171.8
Alturas co., Ida hist. 979.63
Aluano " 968.9591
Alumina salts
sewage precipitation 628.344
Aluminography engraving 762.7
lithog. engr. 763.23
Aluminum
chemistry 546.66
coinage metals 332.418

Aluminum (cont.)
flashlight photography 771.448
in clothing dom. econ. 646.19
metallurgy 669.7
mot. veh. materials 629.23226
processes photography 772.88
work fine arts 739.57
Alumnae, association of
education for women 376.66
Alumni
associated, univ. & col. 378.068
[1] **university & college 378**
Alumroot
(Saxifragaceae) bot. 583.381
Alungu history 968.963
Alvaradoideae
(Simarubaceae) bot. 583.241
Alvarelhao grape vitic. 634.85469
Alvarez de Cienfuegos
Nicasio Spanish poetry 861.48
Alvarotti
Sperone Speroni degli 852.41
Alveolar limbus anatomy 611.71641
Alwato universal lang. 408.9
Alzheimer's disease med. 616.89835
psychol. 132.19835
Amadeus Spanish hist. 946.08
Amadis
de Gaula " fict. 863.22
der Neue Ger. " 833.55
Amador co., Calif. hist. 979.442
Amakusa islands " 952.225
Amalgamated pigeons
Florentine (Columbae)
agric. 636.59628
Amalgamation
gold metallurgy 669.2
Amalgams chemistry 541.4
metal mfg 671
Amambwe history 968.963
Amanuenses shorthand use 653.18
Amarantaceae botany 583.9131
Amareta occult astrology 133.54
Amaryllidaceae botany 584.25
Amateur
journalism 070.489
manuals mech. trades 680
moving pictures phot. 778.5349
musicians fine arts 780.073
photography " " 770.69
radio stations eng. 621.3841662
theatricals ethics 175.2
recreation 793.1
Amatonga history 968.37
Amaurochaetaceae
(Endosporeae) botany 589.2932
Amaurosis ophthalmology 617.73
Amaurotic idiocy psychol. 132.2441
Amazon River history 981
Amazons sociology 396.9
Ambari hemp (Fabaceae)
field crops 633.562
(Malvaceae)
field crops 633.563
Ambassadors int'l law 341.7
polit. sci. 327
Amber
carving sculpture 736.67
Dracut, grape vitic. 634.847
geology, economic 553.29
mineralogy 549.8
radio insulating material 621.38417910195
varnishes chem. tech. 667.7
Ambergris fishery 639.2
Ambidexterity physiol. 612.763
Ambition ethics 179
Ambivalence psychoanal. 131.34122
Amblyopia ophthalmol. 617.73
Amblypoda mammalogy 599.66
paleozoology 569.66
Amblystegiaceae botany 588.21512
Amboland history 968.88
Ambonnay grape vitic. 634.8544
Ambos architecture 729.92
Ambra, Francesco d'
Italian drama 852.35
Ambries altar archi. 729.912
Ambrose, Paul, *pseud.* 813.32
Ambrosia
apiculture food 638.12153
(Compositae) botany 583.5546
Greek mythology 292
Ambrosia-beetle (Tetramera)
entomology 595.768
Ambrosian chant music 783.5
Ambrotypes photography 772.14
Ambulances aircraft service 629.138613
mil. equip. 355.83
public health 614.88
sociology 362.18
Ambulatories archi. 726.793
ch. " 726.593
Ambush military science 355.422
Ameboid cells physiology 612.112
locomotion botany 581.18663
Amelanchier (Rosaceae)
fruitculture 634.741
Amelia co., Va history 975.5634

Amendments
  administrative civ. service 351.93
  constitutional law 342
Amentia childstudy 136.7622
  psychology 132.2
America
  Central history 972.8
  discovery of
    history 973.1
      Scandinavian 948.02
    school observance 371.365
  grape viticulture 634.845509
  history 970
  North history 970
  South " 980
American
  aloe (Amaryllidaceae)
    cordage manufactures 677.71
    fiber crops 633.5774
  architectural styles
    colonial 724.173
    pre-Columbian 722.91
  authors abroad bibl. 013.9173
  chestnut (Fagaceae)
    nuciculture 634.532
  civil war, *see*
    Civil war, US
  colonies, S. Amer. hist. 980
  copyright league
    publishing 655.63
  draft horse (Equidae)
    domestic animals 636.158
  false hemp (Datiscaceae)
    botany 583.469
  Indians, *see* Indians
  interoceanic canals
    sociology 386.44
  language Eng. dialects 427.9
  languages, native 497–498
  legion 369.1861
  literature 810
    outside Canada & U S 819.9
    regional 818.94–.99
  party US politics 329.5
  philosophers 191
  plan table system 642.52
  revolution
    Children of the 369.137
    Daughters of the 369.135
    period Can. hist. 971.024
    societies of 369.13
    Sons of the 369.133
    US history 973.3
      For uniform subdivisions see subheads under Civil War, US
American (cont.)
    statutes US law 345
    wars of the US, Soc. of 369.118
      see also United States of America and names of indiv. countries
Americanisms Eng. lang. 427.9
Americanization
  immigration 325.73
  industrial labor econ. 331.86
  museum economy 069.1
Americo-
  British hybrids vitic. 634.8542091
  German " " 634.8543091
Amerigo Vespucci
  discovery of America 973.16
Amerinds, *see* Eskimos, Indians
Ames, Fisher Amer. oratory 815.22
Ametropia opthalmology 617.75
Amhara history 963
[4] **Amharic language** 492.8
Amherst co., Va history 975.5496
Amianthus fabrics
  textile manufactures 677.51
Amic acids organic chem. 547.8
Amice practical religion 247.7
Amicis, Edmondo d' It. lit. 858.82
Amids organic chemistry 547.8
Amiens, France history 944.26
  European war, 1914 940.4215
    1918 940.4353
Amiidae ichthyology 597.41
Aminia grape viticulture 634.84709
Amins organic chemistry 547.8
Amirante islands history 969.5
[1] **Amish Mennonites** 289.7
Amistad case, 1839
  US history 973.57
Amite co., Miss. hist. 976.224
Amitosis veget. cytology 581.87622
[1] **Ammanites Mennonites** 289.7
Ammergau passion play
  theater 792.1
Ammeters
  electric engineering 621.3744
  motor vehicle equip. 629.2733
  radio measurements 621.384175
Ammiaceae botany 583.481
Ammirato, Scipione
  Italian essays 854.46
Ammonia
  chemic technology 661.3
  heart stimulants 615.711
  machines refrigeration 621.572–.573
  physiology of nutrition 612.398194
  salts chemic tech. 661.5

Ammonite fertilizers 631.848
Ammonites paleozoology 564.53
zoology 594.53
Ammonium physiol. of urine 612.461267
salts fertilizers 631.841
Ammoniums organic chem. 547.8
Ammunition
acceptance mil. eng. 623.4822
accidents with " " 623.483
buildings " " 623.61
buying " " 623.482
care of " " 623.48
chests ordnance 623.4315
commission mil. eng. 623.4823
factories " estab. 355.73
fixed ordnance 623.453
small arms 623.4553
inspection of mil. eng. 623.4821
military science 355.8
ordnance 623.45
preservation of mil. eng. 623.481
reception " " 623.482
ships shipbuilding 623.826
Amnesia
posthypnotic psychol. 134.53
psychology 132.84
Amnesty criminal law 343.2
criminology 364.64
law of war 341.3
Amnion embryology 611.01383
pathology 618.37
Amniotic fluid physiology 612.649
Amodor de los Rios, José
Spanish literature 868.52
Amorphous state chemistry 541.7
Amortization
public securities 336.33
tables office fittings 651.4655
Amory, Thomas Eng. wit 827.62
Amos Bible 224.8
Amoy, China history 951.245
Ampelidaceae botany 583.2792
Ampelography viticulture 634.83
Ampere-hour meters
electric engineering 621.3744
Amphiarthrosis anatomy 611.7294
Amphibia herpetology 597.6
Amphibians aviation 629.133348
Amphilothioideae botany 589.9735
Amphimonadaceae " 589.9746
Amphineura zoology 594.31
Amphioxus (Leptocardii)
ichthyology 597.1
Amphipoda zoology 595.371
Amphisphaeriaceae botany 589.2351
Amphitheaters archi. 725.827
lands. art 717.686
Amphitypes photolithog. 775.6
Amphorae pottery 738.38
Amplifiers
electron tubes in radio 621.3841324
radio reception 621.3841363
Ampulla of Vater anatomy 611.367
Amputation surgery 617.94
Amsonia (Apocynaceae) bot. 583.721
Amsterdam
history 949.2
island, Indian Ocean
history 969.91
Amulets numismatics 737.2
sorcery 133.44
Amur, Manchuria history 951.84
Amusement
centers city zoning 711.558
influences
crime prevention 364.44
park bldgs archi. 725.77
parks and crime sociol. 364.255
landscape art 712.542
recreation 791
Amusements
children's dom. econ. 649.55
ethics 175
hygiene 613.74
of laboring classes
economics 331.84
recreation 790
school hygiene 371.74
Sunday theology 263.6
Amusia medicine 616.855
psychology 132.155
Amygdala anatomy 611.81314
Amygdalaceae botany 583.37
Amygdalin and nutrition
physiology 612.396175
Amygdalus (Rosaceae)
nuciculture 634.55
Amylaceous reserves
physiologic botany 581.133853
Amylasis
metabolism, physiologic 612.39631
Amyloids
histology 611.01884
physiology of nutrition 612.398146
Amylolytic
ferments botanic chem. 581.19345
physiol. " 612.01515
Amyotrophy
physiology 612.7465
of nerves 612.8173

Ana, literary 808.8
American 818
English 828
[3] other —8
[1] **Anabaptists** sect. hist. 284.3
Anabolism biology 574.133
physiol. bot. 581.133
zool. 591.133
Anacanthini ichthyology 597.56
Anacapa island, Calif.
history 979.492
Anacardiaceous fruits
agriculture 634.44
Anacardiineae botany 583.292
Anacreon Gk lyric poet. 884.3
Anacrogynous
jungermanniaceae bot. 588.312
Anaerobic
cells physiology 612.01411
respiration biology 574.128
physiologic bot. 581.128
Anaglyphoscopes phot. 778.44
Anaglyphs photography 778.43
Anagramatic authors bibl. 014
Anagrams games 793.73
Analgesics therapeutics 615.783
Analogy, anatomic botany 581.4
zoology 591.4
biology 574.4
Eng. etymology 422.1
[3] other lang. —21
logic 169
theology 219
Analysis
arithmetic 511.5
calculus 517
capillary chemistry 544.92
catalytic " 545.36
chemic science 543
combinative algebra 512.5
Diophantine " 512.23
electro-, qualitative 544.9
quantitative 545.3
food zootechny 636.0851
logic 160
medical chemistry 543.4
microscopic biology 578
chemistry 544.8
mineralogy 549.1
of fertilizers agric. 631.818
statistical data
sociology 311.23
polariscopic chemistry 544.7
qualitative " 544
Analysis (cont.)
quantitative chemistry 545
situs geometry 513.83
spectrum astronomy 522.67
optics 535.84
qualitative anal. 544.6
Analytic geometry 516
guides music 780.072
method psychol. 150.184
trigonometry 514.5
Anamorphosis photography 778.8
Ananas sativus
(Bromeliaceae)
cordage manufactures 677.71
fiber crops 633.576
fruitculture 634.774
Anaphase veget. cytology 581.876234
Anaphilaxis medicine 615.37
Anarchic
influence & journalism 070.13
Anarchism polit. econ. 335.83
Anas (Anseres)
poultry farming 636.597
Anasa tristis (Heteroptera)
agricultural pests 632.754
Anastatic meth. printing 655.22
processes phot. 778.12
Anastomotica magna
elbow anatomy 611.1342
knee " 611.13785
Anathema
ecclesiastic discipline 262.9
penance 265.65
Anatolia history 956
Anatolian
architectural styles
early Christian 723.121
sheep (Bovidae)
domestic animals 636.385
swine (Suidae)
domestic animals 636.474
Anatomic
dissection & state laws
public health 614.22
phrenology psychology 139.3
traits personality 137.311
Anatomists 611.069
biography 926.11
Anatomy
and crime sociology 364.242
animal zootechny 636.0891
anthropology 611.014
art drawing 743
botany 581.4

Anatomy (cont.)
comparative biology 574.4
medicine 611.019
zoology 591.4
dental, *see* Teeth
descriptive biology 574.7
botany 581.7
of bees
apiculture 638.1211
zoology 591.7
ecologic botany 581.5225
medicine 611
morbid, *see* Anatomy, pathologic
of criminals sociology 364.333
paleontologic 611.016
pathologic biology 574.25
botany 581.25
diagnosis 616.0758
protective anim. ecol. 591.57
veget. " 581.5732
regional 611.9
botany 581.49
zoology 591.49
Anauliaceae botany 589.6222
Anaxagoras philosopher 182.8
Anaximander " 182.1
Anaximenes " 182.1
Ancelot, J A F P Fr. drama 842.74
Ancestor worship
comparative religion 291.2134
Ancestry
doctrinal theology 233.3
evolution 575.1
evolutional psychology 136.3
genealogy 929.1
metaphysics 129.2
Anchor boring
archi. foundations 721.152
bridge engineering 624.1552
Anchorage
suspension bridge eng. 624.57
Anchor-ice geology 551.31
Anchorites, *see* Hermits
Anchors
landing aircraft 629.134385
plumbing 696.7
radio equipment 621.38413388
ship outfit 623.86
Ancient
architectural styles 722
biography 920.03
countries antiquities 913.3
customs & cost. sociol. 390
Ancient (cont.)
geography description 911.3
maps 912.3
history 930
[2] in specific fields see subj. —0901
law jurisprudence 349.3
[1] **music** 781.8
order of foresters
secret society 366
sculpture 732
shorthand 653.51
Ancients, council of
French history 944.045
legislature 328.4409
Ancistrocladaceae botany 583.454
Ancona fowls (Gallinae)
agriculture 636.554
Anconeus anatomy 611.73725
Ancre River Eur. w, 1916 940.4272
1917 940.4314
Ancylistineae botany 589.262
Ancylopoda mammalogy 599.729
paleozoology 569.729
Andalusia history 946.8
Andalusian fowls (Gallinae)
agriculture 636.564
Andante and andantino
music form 781.50812
Andersen, H C Dan. fict. 838.81364
Anderson, city, Ind hist. 977.257
co., Kan " 978.167
Ky " 976.946
SC " 975.725
Tenn " 976.873
Andersonville, Ga, prison
United States Civil war 973.7711
Andes Mts history 980
Andesite petrology 552.26
[4] **Andhra language** 494.813701
literature 894.813
Andocides Greek oratory 885.1
Andorra history 946.7
André, John Amer. revol. 973.386
Andrea J V German poet. 831.47
Andreaeales botany 588.22
Andreini, G B It. drama 852.53
Andrew co., Mo history 977.8126
Andrieux, F G J S Fr. drama 842.65
Androecium floral anatomy 581.463252
Andronicus, L L Lat. drama 872.1
Andropogoneae botany 584.925
grass crops 633.282
Andros, Edmund US hist. 973.24
Androscoggin co., Me " 974.18

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Anecdotes
  college education 378.0883
  legal law 340.9
  literature, American 818
  English 828
[3] other —8
  religious theology 244
  table domestic econ. 642.48
  in other specific fields
[2] see subj. —0883
Anemia
  and reflexes physiol. 612.83393
  cardiac " 612.1721
  cerebral " 612.8244
  pathology 616.15
  physiology of blood 612.1162
  nerves 612.8164
Anemics, education of 371.917
Anemometer
  aircraft equipment 629.13515
  meteorology 551.51
Anemone (Ranunculaceae)
  botany 583.111
Anemophily botany 581.1662564
Aneroid barometer physics 533.4
Anesthesia
  hypnotism 134.52
  medicine 616.856
  physiol. of tactile sense 612.887
  psychology 132.156
Anesthetics
  action of mesology 612.014465
  and heart physiology 612.1742
    intelligence
      physiol. of brain 612.82142
  surgery 617.9
  therapeutics 615.781
Anethum graveolens
  (Ammiaceae) garden crops 635.74
Aneurism
  pulmonary pathology 616.247
  surgery 617.41
Angaziya island history 969.41
Angels doctrinal theol. 235
  in art 704.9486
Anger ethics 179.8
Angevin
  Romanesque architecture 723.441
  sheep (Bovidae)
    domestic animals 636.3446
  swine (Suidae)
    domestic animals 636.443
Angina pectoris pathol. 616.12
Angiocarpae botany 589.16
Angioliere, Cecco It. wit 857.13
Angiospermae botany 583–584
Angle
  drafting instruments
    mechanical drawing 744.3
  facial craniology 573.7
  indicators aircraft 629.13516
  wave front
    radio transmission 621.3841158
Angles
  drawing 741.44
  geometry 513.12
  independent geodesy 526.51
  measurement of
    crystallography 548.7
    surveying 526.93
  strength of eng. 620.11282
Anglesey history 942.91
Anglesey cattle (Bovidae)
  domestic animals 636.2236
Anglican
  chant music 783.5
  church, *see* Protestant
    Episcopal ch.
Anglicisms Eng. lang. 427
  Fr. " 442.4
[3] other " —24
Angling games 793.75
  sports 799.12
Anglo-
  Catholics Prot. Epis. ch. 283
  classic architecture 724.142062
  Egyptian Sudan hist. 962.4
  Saxon history, ancient 936.32
  English 942.01
[4] **language philol.** 429
  law jurisprudence 349.3632
  literature 829
  race ethnology 572.829
    psychol. of 136.4829
Angola history 967.3
Angola sheep (Bovidae)
  domestic animals 636.386
Angoniland, Central hist. 968.974
Angora history 956.3
  goat (Bovidae)
    domestic animals 636.3985
  see also Ankara
Angoulême, Marguerite d'
  French fiction 843.31
Angoulême
  architecture 724.144028
  house of French hist. 944.028–.029
Angra Pequeña history 968.82
Anguilla (Teleostei)
  ichthyology 597.5

Angular perspective
drawing 742.4
Angus, Scotland history 941.31
Angus doddie cattle
(Bovidae) domestic animals 636.2231
Anhalt history 943.19
Anharmonic property
geometry, analytic 516.56
Anharmonics geometry 513.56
Anhwei, China history 951.225
Anhydrids chem., theor. 541.4
organic chem. 547.7
Anhydrous
silicates mineralogy 549.61
sulfates " 549.75
Anilin dyes chem. tech. 667.2
processes phot. 773.5
Animal
anatomy zootechny 636.0891
and contagious diseases
public health 614.43
asylums & hospitals
architecture 725.59
black distillation 668.7
pigments 667.6
chemistry 547
zoology 591.19
combats recreation 791.8
diseases public health 614.9
vet. med. 619
zoology 591.2
zootechny 636.0896
drugs pharmacy 615.39
electricity hypnotism 134.0162
physiology 612.014423
zoology 591.57
fibers textile mfg. 677.38–.39
fighting ethics 175.6
food
and nutrition physiol. 612.3928
assimilation botany 581.133553
hygiene 613.28
foodstuffs cookery 641.66
dom. econ. 641.36
forms, carved archi. 729.522
painted " 729.422
heat physiology 612.5
respiratory
physiologic zool. 591.12
husbandry zootechny 636.08
hygiene pub. health 614.9
veterinary med. 619
zootechny 636.0893
Animal (cont.)
instincts
comparative psychology 151.358424
intelligence comp. psychol. 151.35
zoology 591.51
kingdom, *see* Animals, Fauna, Zoology
life
painless extinction of
public health 614.971
locomotion physiology 612.767
lore zoology 591.5
magnetism hypnotism 134.0162
mechanism physiology 612.76
motors mechanical eng. 621.46
oils & fats chem. tech. 665.2
parasites pathology 616.961
pathol. bot. 581.233
physiology 591.1
zootechny 636.0892
poisons toxicology 615.94
preserves nat. lands. 719.36
products eng. materials 620.198
for raising
zootechny 636.0884
residues fertilizers 631.843
substances chem. anal. 543.9
trades and pollution
public health 614.74
training comp. psychol. 151.3072583
worship " relig. 291.2124
Animalcules zoology 593
Animals
actions of physiology 612.821311–312
and landscape design 713.6
nitrogenous
metabolism physiol. 612.461239
plant dissemination
botany 581.52267
succession
botany 581.52433
plants
biol. differences 577.5
physiol. comparison 612.0135
veget. fertilization
botany 581.1662566
art anatomy 743.6
artillery mil. sci. 358.1
as power agriculture 631.3712
automatic action of
invertebrate physiol. 612.829
behavior of
comparative psychology 151.3
physiology 612.821313
zoology 591.5

Animals (cont.)
care of
agric. implements 631.38
public health 614.94
zootechny 636.083
causing disease
economic zoology 591.67
cavalry 357.17
cerebral localizations in
physiology 612.82525
cleanings by silviculture 634.9533
comparative mythology 291.2124
cost of zootechny 636.08112
cruelty to ethics 179.3
dangerous hunting sport 799.26
diseased or dead, and
pollution pub. health 614.763
domestic, *see* Domestic
animals
electric physiology 612.771
equilibrium organs of
physiology 612.8869
evolution 575
feeding of pub. health 614.95
zootechny 636.084
fight of soc. customs 394.2
folklore 398.4
food rationing for
physiology 612.394–.395
fossil paleontology 562–569
geologic agents 551.95
hibernating physiology 612.58
zoology 591.54
housing of pub. health 614.94
hunting with business 639.1
sports 799.25
zootechny 636.081113
in art 704.9432
inanition in physiol. 612.3919
injurious agric. pests 632.6
zoology 591.65
insanity in
comparative psychology 151.332
instincts of physiology 612.821313
insurance business 368.5
learning of
comparative psychology 151.3072583
longevity of
physiologic zoology 591.139
marine geog. zoology 591.92
military administration 355.68
equipment 355.83
mind in psychology 151.35
museum models 069.42
specimens 069.459

Animals (cont.)
music among fine arts 781.95
neolithic archeology 571.23
noxious econ. zoology 591.65
ominous divination 133.334
painting 758.3
paleolithic archeology 571.13
parasitic econ. zoology 591.69
phosphorescent physiol. 612.772
plants injurious to
agriculture 632.59
protection
against veget. ecol. 581.573
of zootechny 636.0835–6
racing recreation 798.8
ration, subsistence
physiology 612.39523
respiration in various
kinds of physiology 612.229
reviviscent physiology 612.0144611
scent glands of physiol. 612.493
symbolic religious art 246.5
training of recreation 791.8
zootechny 636.0886
transportation of
public health 614.96
uric acid in physiology 612.461254
useful & harmful zool. 591.6
utilization of zootech. 636.088
vocal organs of physiol. 612.786
young, care of zootech. 636.08337
zootechny 636.08235
zoology 592–599
Animated cartoons drawing 741.58
phot. 778.58
Animatographs photography 778.52
Animism comp. religion 291.211
metaphysics 128
philos. system 147
psychology 130.1633
Anions theoretic chem. 541.2
Anis (Apiaceae)
garden crops 635.75
Anisogametes veget. embryol. 581.3263
Anisophylleoideae
(Rhizophoraceae) botany 583.411
Anjou history 944.18
sheep (Bovidae)
domestic animals 636.3446
Anjouan island history 969.41
Ankan Japanese history 952.01355
Ankara history 956.3
Anking, China history 951.2252
Ankle anatomy, regional 611.985
bone anatomy 611.71871
joint " 611.7284

Anko Japanese history 952.01325
Ankole history 967.613
Ankylosis pathology 616.72
surgery 617.33
Ankylostomiasis pathology 616.965
Ann Arbor, Mich´ history 977.435
Annam history 959.8
loss of
Chinese history 951.039
[4] **Annamese language** 495.92
Annapolis, city, Md hist. 975.256
co., NS hist. 971.633
Annatto (Bixaceae) botany 583.138
butter industry 637.26
Anne
Christology 232.933
Queen
architecture 724.142069
American 724.173
revival 724.5991
English history 942.069
furniture fine arts 749.222
US history 973.25
Anne Arundel co., Md hist. 975.255
Annealing metal mfg 671
numismatics 737.44
physics 539.54
Annei Japanese history 952.01221
Annelida zoology 595.14
Annexation int'l law 341
polit. science 320.1265
Annihilation doc. theol. 237.3
metaphysics 129.6
nat. theol. 218
Anniversaries
military life 355.16
school observance 371.365
student life 371.89
Annobon history 966.996
Annonaceae botany 583.115
Announcements, commercial
[2] in specific fields see subj. —085
Annual legis. polit. sci. 328.353
plants botany 582.112
Annuals
floriculture 635.931
statistical sociology 310
[1] **university & college** 378
in other specific fields
[2] see subj. —058
Annuities
insurance business 368.37
mathematical probabilities 519.5
public finance 336.35
Annular vaults
arched construction 721.455
Annulment, administrative
civil service 351.93
Annunciation
Christology 232.91
holiday Cath. ritual 264.021
Greek " 264.0191
Prot. Epis. " 264.031
etc.
Annunciators signals 654.7
Anococcygeal nerves anat. 611.836
Anode rays electricity 537.53
rectification radio 621.38413232
Anodynes therapeutics 615.78
Anointing sacramentals 264.9
see also Sacraments
Anoka co., Minn history 977.665
Anomali
Dicotyledones botany 583.98
Monocotyledones " 584.99
Anomalies, *see* Abnormalities
Anomalous Disciflorae bot. 583.298
Anomodontia herpetology 598.17
Anonaceae botany 583.115
Anonaceous fruits agric. 634.41
Anonymous press journalism 070.18
Anonyms bibliography 014
Anopheles, *see* Mosquitoes
Anoplotheriidae mammal. 599.7353
paleozool. 569.7353
Anorthoscopes photography 778.52
Ansa lentiformis anatomy 611.8147
Anselm philosopher 189.4
Anselm, Heinrich
German fiction 833.53
Anseres zool. 598.41
Anslo, Reyer Dutch poet. 839.31135
Anson co., NC history 975.675
Answers to problems
[2] in specific fields see subj. —0762
Ant bird (Mesomyodi)
ornithology 598.86
lion (Megaloptera)
entomology 595.742
Antacids, digestive therap. 615.7343
Antarctic
ocean physiography 551.469
regions, *see* Arctic regions
Anteater (Edentata)
mammalogy 599.31
Antebellum societies, Amer. 369 14
Antefixes roof constr'n 721.562

Ante-Justinian laws
jurisprudence 349.371
Antelope
(Antilocapridae)
domestic anim. 636.2938
(Bovidae) mammalogy 599.73584
co., Neb hist. 978.255
Hills Oklahoma
description 917.6616
state (Neb) hist. 978.2
Antenna instruments radio 621.38413587
Antennae comparative anat. 591.48
Antennas
Adcock's radio 621.38413556
artificial & improvised
radio 621.3841357
Beverage's radio 621.38413554
closed " 621.3841354
directional " 621.3841355
directive " 621.38413553
elevated " 621.3841352
ground " 621.3841353
multiple-tuned radio 621.3841356
open radio 621.3841352
radio 621.384135
city planning 711.83
roof constr'n 721.562
submarine radio 621.3841353
underground " 621.3841353
wireless telegraphy 621.38435
Anterior
column anatomy 611.8221
commissure
white spinal anat. 611.8258
crural muscles anat. 611.7384
Anterolateral
column anatomy 611.825
fasciculus " 611.8183
superficial anat. 611.8254
Antes archi. constr'n 721.372
Anthelmintics physiology 612.3363
therapeutics 615.733
Anthemidaceae botany 583.5537
Anthems music 783.4
public worship 264.2
religion 245
Anther dehiscence
plant movements 581.18262
Antheraea pernyi
(Bombycina) textile mfg 677.423
Antheridia veget. morphol. 581.4622
Anthers floral anatomy 581.463252
Anthocerotales botany 588.32
Anthocian secretion bot. 581.14445
Anthologies
English language 428.7
[3] other " —87
literature 808.8
American 810.822
English 820.822
[3] other —0822
in other specific fields
[2] see subj. —0822
Anthophyta botany 583–584
Anthotypes photography 773.7
Anthozoa zoology 593.6
Anthracene organic chem. 547.28
Anthracite geology, econ. 553.25
metallurgy 669.8
steam boiler 621.18222
Anthracnose botany 589.243
Anthracotheriidae
mammalogy 599.7332
paleozoology 569.7332
Anthrakotypes photography 773.2
Anthrax pathology 616.956
public health 614.561
Anthriscus cerefolium
(Apiaceae) garden crops 635.78
Anthropogeography 910
Anthropoidea mammology 599.88
Anthropologic
anatomy medicine 611.014
method criminology 364.3018
Anthropologists 572.069
biography 925.72
Anthropology 572–573
criminal sociology 364.33
doctrinal theology 233
philosophic psychology 130
Anthropometry
criminal sociology 364.334
somatology 573.6
Anthropomorpha
mammalogy 599.88
Anthropomorphism
metaphysics 125
Anthroponomy psychology 150.1943
Anthropophagy war customs 399
Anthroposophy philosophy 149.3
Anthyllis vulneraria
(Fabaceae) field crops 633.362
Antiaircraft guns
military science 358.1
ordnance 623.41
Antiburghers
Scotch secession church 285.6

Antichrist doctrinal theol. 235
Anticline geology 551.86
Anticoncordataires
Catholic schisms 284.83
Anticosti island, Quebec 971.417
Antidotes toxicology 615.9
Antienzyms botanic chem. 581.1939
Antietam, Md, battle, 1862
US Civil war 973.7336
Antifebrin therapeutics 615.75
Anti-Federal party
US politics 329.2
Antifederalists US hist. 973.4
Antiferments bot. chem. 581.1939
Antigonish co., NS hist. 971.614
Antilles history 972.9
Antilocapridae mammalogy 599.73582
Antimacassars dom. econ. 645.48
Antimission Baptists
[1] **sectarian history 286.4**
Antimonates mineralogy 549.72
Antimonids " 549.3
Antimony
chemistry 546.86
mining 622.347
ores geology, economic 553.47
processes photography 772.73
Antinomianism heresies 273.6
Antioch plan univ. & col. 378.1
Antipatharia zoology 593.64
Antipathy and prejudice
ethics 177.3
Antiperiodics therapeutics 615.75
Antiphonal
choral service music 783.24
readings pub. worship 264.4
Antiputrefactive properties
of gastric juice physiol. 612.3225
Antipyretics therapeutics 615.75
Antiquarians 913.069
[1] **biography 923.9**
[1] **Antiquities 913**
archeology 571
Biblical 220.93
Old Testament 221.93
customs & manners 390
legal law 340.3
military sociology 355.0901
of Egypt 913.32
Greece 913.38
Rome 913.37
etc.
in other specific fields
[2] see subj. —0901
Antirrhinoideae
(Scrophulariaceae) bot. 583.81
Antirust tests
engineering materials 620.1122
Antiscreen dyes
photographic chem., color 771.5342
Antiseptics
action of mesology 612.014466
agricultural protection 632.953
obstetrics 618.89
public health 614.482
surgery 617.9
therapeutics 615.778
Antispasmodics therapeutics 615.786
Antistatic devices
moving picture phot. 778.533
Antisthenes philosopher 183.4
Antistrophe Eng. prosody 426.7
[3] other lang. —67
Antitoxic action of liver
physiology 612.3542
Antitoxins
against venoms physiol. 612.31451
physiology of blood 612.1182
nutrition 612.3988
Antitrinitarians
[1] **sectarian history 288**
Antivivisection
see Vivisection
Antlered ruminants
(Cervicornia) mammalogy 599.7357
Antoku Japanese history 952.016388
Antonides van der Goes
Johannes Dutch poetry 839.31137
Antrim co., Ire. history 941.61
Mich " 977.485
Ants (Formicidae)
agricultural pests 632.796
domestic " 648.7
white (Corrodentia)
domestic pests 648.7
Antwerp history 949.3
Eur. war 940.4213
pigeons (Columbae)
agriculture 636.59635
Anura herpetology 597.8
Anus anatomy 611.352
pathology 616.35
Anvil anatomy of ear 611.857
Anvils blacksmithing 682
Anxiety medicine 616.8522
psychology 132.1522
Anyang, China history 951.18
Anzouan island history 969.41

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Aomori history 952.112
Aorist Greek etymology 482.8
[3] other lang. —28
Greek syntax 485.8
[3] other lang. —58
Aorta, abdominal anatomy 611.136
anatomy 611.132
thoracic anatomy 611.135
Apartment
and office, or store bldgs
architecture 725.22
hotels " 728.23
house dist. city plan. 711.583
grounds lands. art 712.642
houses architecture 728.22
city planning 711.667
domestic econ. 647.92
Apartments
hygiene of dwellings 613.53
Apathetic type personality 137.45
Apatite fertilizers 631.851
geology, econ. 553.64
mineralogy 549.72
Apertures phot. diaphragms 771.354
Apes (Anthropoidea)
mammal. 599.88
Apetalae botany 583.9
Apex-beat physiology 612.171
Aphaniptera entomology 595.775
Aphanochaetaceae botany 589.47425
Aphasia medicine 616.855
physiol. of brain 612.825249
speech 612.7893
psychology 132.155
Aphelion astronomy 521.3
Aphengescopes photography 778.22
Aphid honey
apicultural pasturage 638.1392
Aphidae entomology 595.7525
Aphids agricultural pests 632.7325
Aphis-fly (Brachycera)
entomology 595.772
Aphonia pathology 616.22
physiology 612.7893
Aphorisms folklore 398.9
Aphrodite Gk mythology 292
Apiaceae botany 583.481
Apiales (Umbelliflorae) bot. 583.48
Apiaries architecture 728.947
landscape art 717.66
Apiary
establishments agric. 638.1111
system of manage. agric. 638.11115
types agriculture 638.1114
Apiculture 638.1
Apidae entomology 595.799
Apitechny agriculture 638.112
Aplanats photography 771.352
Apnoea physiology 612.2842
Apocalypse of
Baruch pseudepigrapha 229.913
Daniel " 229.913
Elias " 229.913
St John Bible 228
Zephaniah pseudepigrapha 229.913
Apocalypses
Jewish " 229.913
pseudepigrapha 229.94
Apocarpeae botany 584.7
Apocrypha, Biblical 229
Christology 232.99
Apocryphal
gospels 229.8
Messianic prophecies
Christology 232.129
Apocynaceae botany 583.721
Apoda zoology 593.98
Apogamy botany 581.162
Apogee astronomy, lunar 523.33
tidal astronomy 525.63
Apollo Greek mythology 292
line palmistry 133.6432
mount " 133.642
Apollonius Rhodius
Greek epic poetry 883.3
Apologetics polemic theol. 239
Apomorphin emetics 615.731
Aponeuroses anatomy 611.74
Aponogetonaceae botany 584.743
Apoplectic, post-
dementia medicine 616.898383
psychology 132.198383
Apoplexy medicine 616.81
Apospory botany 581.162
Apostasies
religious heresies 273
Apostasy doctrinal theol. 230
Apostles
Acts of 226.6
pseudepigrapha 229.92
calling of Christology 232.953
comparative religion 291.64
creed doctrinal theol. 238.11
in art 704.9486
New Testament biography 225.92
[1] **primitive** " 922.1
Apostolic
age
church history 270.1
apologetics
doc. theol. 239.1

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Apostolic (cont.)
church persecutions 272.1
[1] sectarian hist. 281.1
constitution scc. hist. 281.1
fathers sectarian hist. 281.1
Scc, *see* Holy See
succession
ecclesiastic polity 262.11
Apothecary pharmacy 615.4
Apothegms folklore 398.9
Apotheosis comp. relig. 291.213
Appalachian
counties, NC history 975.68
Mountains, Ga " 975.82
Tenn " 976.88
Plateau, south
Tenn history 976.87
region, Ala history 976.16
Valley, Ga " 975.83
Appanoose co., Ia hist. 977.789
Apparatus butter industry 637.232
cheese " 637.332
milk " 637.132
school equip. 371.6
in other specific fields
[2] see subj. —078
Apparitions folklore 398.3
occultism 133.1
Appeal suffrage 324.243
Appeals in adver. business 659.10115
Appearance, personal
ethics 177.4
library staff 023.95
office economy 651.445
Appellate proceedings
private law 347.9
Appendages
embryonic physiology 612.649
fetal embryology 611.0138
pathol. of
gynecology 618.34
Appendectomy surgery 617.55
Appendicitis pathology 616.34
Appendicular
arteries anatomy 611.13651
skeleton " 611.717–.718
Appendix, vermiform
anatomy 611.3452
physiology 612.363
Appendixes, epiploic anat. 611.347
Appenzell goat (Bovidae)
domestic animals 636.3938
Apperception
implicit psychology 156
psychology 152.724
theories of abstraction
psychology 153.30164
Appetite physiology 612.3913
Appetites
psychology of instinct 158.4244
temperance 178
Appian way Roman antiq. 913.377
Apple
blad (Cactaceae)
fruitculture 634.7757
borer (Tetramera)
entomology 595.768
custard (Anonaceae)
fruitculture 634.415
Jamaica (Anonaceae)
fruitculture 634.413
Malay (Anacardiaceae)
fruitculture 634.442
mammee (Guttiferaceae)
fruitculture 634.654
May- (Berberidaceae) bot. 583.117
(Ericaceae) " 583.62
(Passifloraceae) " 583.456
moth (Heterocera)
entomology 595.782
(Microlepidoptera)
agricultural pests 632.782
Otaheite (Anacardiaceae)
fruitculture 634.442
pond (Anonaceae)
fruitculture 634.414
(Rosaceae) fruitcult. 634.11
rose (Myrtaceae)
fruitculture 634.422
star (Sapotaceae)
fruitculture 634.433
sugar (Anonaceae)
fruitculture 634.412
swamp- (Ericaceae) bot. 583.62
tree borer (Tetramera)
agric. pests 632.768
Appleton, Wis history 977.539
Applicants
engaging labor econ. 331.116
securing " " 331.1151
Applications for work
labor demand 331.1151
office files 651.66

Applied
arts & sciences **600**
design fine arts 745.43
science schools
useful arts **607**
Appling co., Ga history 975.8784
Appliqué
art needlework 746.45
brocade special fabrics 677.61
Appointees, training of
office economy 651.455
Appointing body, school's
teachers 371.143
Appointment, legislative
political science 328.3351
Appointments library gov't 023.2
presidential
US gov't 353.03
Appomattox co., Va hist. 975.5625
Va, campaign
1865
US Civ. war 973.7384
Apportionment
legis. representation 328.3345
Apports spiritism 133.922
Appraisal of income & wealth
political economy 339.3
Appreciation
esthetics 701.17
see also specific subject
money 332.413
Apprehension
imaginal psychology **155**
immediate, in judgment
psychology 153.542
intuitive sensory psychol. 156.33
mnemonic psychology **154**
perceptual " **152.7**
Apprentice classes
library training 020.713
Apprentices
dept organization
labor economy 331.124
duties of ethics 174.8
economic classification 331.113
labor of economics 331.55
library staff 023.75
office economy 651.3748
Apprenticeship
industrial training 331.86
Approach
grafting by agric. 631.5416
psychologic advertizing 659.10115
Approbation school gov't 371.53
Appropriations
legislative power 328.341
library admin. of 025.112
fin. support **021.9**
public finance 336.39
Approval, sales on
business methods 658.857
Approximations algebra 512.22
Apraxia medicine 616.855
psychology 132.155
Apricot (Rosaceae)
fruitcult. 634.21
San Domingo
(Guttiferaceae)
fruitcult. 634.654
scab agric. pests 632.4411
April 19, anniv. US hist. 973.362
fool folklore 398.33211
soc. customs 394.268
Aprons domestic economy 646.484
mot. veh. body 629.2673
chassis 629.2427
Apses
church architecture 726.593
transept church archi. 726.592
Aptera agric. pests **632.751**
entomology **595.751**
Apterygidae ornithology 598.54
Aptitude tests psychology **151.223**
schools 371.26
Aptitudes, correlation of
psychol. measurements 151.2653
Apulia history **945.75**
ancient 937.7
Aquarelles
painting 751.42
photography photogravure 777.18
photolithog. 775.8
Aquariums zoology 590.74
Aquarius occult astrology 133.522
Aquatic
animals
geographic zoology **591.92**
respiration
and pressure effect
physiology 612.279
physiology 612.2292
carnivora mammalogy **599.745**
plants
garden floriculture 635.9674
geographic botany **581.92**
house floriculture 635.965224
nectariferous apic. 638.1327
vegetable ecology **581.52632**

Aquatic (cont.)
products fishery 639
rights land economics 333.91
private law 347.2
sports 797
vegetable products econ. 338.17
see also Water
Aquatint process engraving 766.3
Aquatints
engraving 769.663
photography
photoengraving 777.1
pigment processes 773.122
Aqueducts
architecture 725.193
canal engineering 626.2
city planning 711.726
garden landscape art 714.36
monumental
lands. constr'n 713.74
waterworks 628.14
Aqueductus cerebri anat. 611.8156
Aqueous
humor anatomy 611.8449
physiology 612.8444
psychology 152.144
rocks petrology 552.5
treatment prac. chem. 542.6
Aquifoliaceae botany 583.2781
Aquila Ponticus version
Bible 221.48
Aquilarioideae
(Thymelaeaceae) botany 583.9331
Aquinas, Thomas philos. 189.4
Acquisition of
animals zootechny 636.0811
territory polit. sci. 320.126
Aquitaine history 944.7
Aquivascular
respiration biology 574.123
zoology 591.123
Arabesque designs f. arts 745.44
music form 781.50833
piano music 786.42
Arabesques, carved archi. 729.533
painted " 729.433
Arabia
[4] eastern, anc. lang. of 492.9
history 953
ancient 939.47–.48
Arabian
architectural styles 723.31
horses (Equidae)
domestic animals 636.11
sheep (Bovidae)
domestic animals 636.385
[4] Arabic language 492.7
numerals arithmetic 511.2
philosophers 189.3
text Bible 220.46
Arable lands
in Belgium agric. 631.49494
New Zealand " 631.49931
Utah " 631.49792
etc.
see also Farming, distrib. of
Arabs in Spain Sp. hist. 946.02
Araceae botany 584.65
Arachis hypogaea (Fabaceae)
field crops 633.36
garden " 635.659
nuciculture 634.58
Arachnida zoology 595.4
Arachnoid, cerebral anat. 611.8193
spinal " 611.8293
Aragon history 946.5
Arales botany 584.64
Araliaceae " 583.491
[4] Aramaic language 492.1
text Bible 220.42
Aramon grape viticulture 634.8544
Araneida zoology 595.44
Arantius, venous duct of
anatomy 611.1497
Arapahoe co., Colo hist. 978.882
nat'l forest, Colo.
description 917.8865
Aratus Solensis Gk poet. 881.2
Araucariaceae botany 585.212
Araucarioxyleae " 585.951
paleobot. 561.5951
Arbalest archery 799.32
Arbitrage
foreign exchange 332.45
stock & commodity trading 332.65
Arbitrary power polit. sci. 321.6
Arbitration
commercial sociology 380.126
industrial relations 331.155
international ethics 172.4
law 341.6
private " 347.4
Arblay, Mme Frances
(Burney) d' Eng. fict. 823.66
Arbor
day forest policy 634.92511
landscape art 715.25153
school celebrations 371.365
Lodge state park, Neb
history 978.2273
training agriculture 631.5465

Arbor (cont.)
vitae anatomy 611.81715
(Thuyopsidaceae)
botany 585.215
Arborescent plants
landscape art 715 3–.4
Arboretums
see Botanic gardens
Arboriculture forestry 634 9
lands. art 715.25
Arbors " " 717.682
Arbuckle Mts, Okla. descr. 917.6657
Arbuthnot, John Eng. wit 827.54
Arbutoideae (Ericaceae)
botany 583.62
Arbutus unedo (Ericaceae)
fruiticulture 634.667
Arc
composite electrode
electric lighting 621.3256
light phot. fine arts 771.4475
lighting
applications eng. 621.3258
electric engineering 621.325
types of arc & current
electric eng. 621.3254–5
system radio 621.3841533
Arcades
architectural design 729.334
city planning 711.725
ground church archi. 726.594
landscape art 717.683
shopping city planning 711.662
wall construction 721.262
Arcadia history, ancient 938.8
Arcani disciplina
sectarian history 281.1
Arcatures wall constr'n 721.262
Arcesilaus philosopher 186.2
Archaean period geology 551.71
Archaeopterides botany 585.981
Archaisms English language 427
[3] other " —7
Archangel expedition
European war 940.4374
Russian history 947.084
history 947.2
Archbands archi. constr'n 721.428
Archbishops eccles. polity 262 12
Arched constructions
architecture 721.4
carved archi. dec. 729 58
Arched constructions (cont.)
door & window archi. 721.864
painted archi. dec. 729.48
Archegonia veget. morphol. 581.4623
Archegoniatae botany 587–588
Archegony biology 576.1
botany 581.161
zoology 591.161
Archenteron embryology 611.01335
Archeocalamites botany 587.2122
paleobot. 561.72122
Archeologic interest
districts city zoning 711.52
Archeologists 571.069
biography 925.71
Archeology 571
Biblical 220.93
OT 221.93
see also Antiquities
Archeozoic period geology 551.71
Archerotypes photography 772.14
Archery
galleries architecture 725.891
lawn structures
lawns landscape art 712.547932
sports 799.32
Arches
architectural construction 721.41
design 729.33
engineering 624.6
garden landscape art 717.86
trussed bridge eng. 624.7
Archetype metaphysics 124
Archichlamydeae botany 583.1
Archidiaceae " 588.21473
Archilochus Greek wit 887.1
Archimedean screw physics 532.8
Archimycetes
(Chytridiincae) botany 589.285
Archiplastideae botany 589.8
Architectonics architecture 720.1
Architects 720.69
biography 927.2
landscape
professional practise of 712.3
Architectural
cemeteries lands. art 718.4
construction 721
decoration 729
design 729
drawings, mech. f. arts 744.42

Architectural (cont.)
plans bldg industries 692
mech. drawing 744.42
specimens museum econ. 069.472
squares landscape art 712.524
styles 722–724
city planning 711.65
of cities city plan. 711.424
subjects fine arts 704.944
paintings 758.7
water features lands. art 714.3
Architecture 720
and acoustics physics 534.84
history of, in Mexico 720.972
Norway 720.9481
Scotland 720.941
etc.
see also names of styles and note under 722–724
industrial bus. manage. 658.2
landscape fine arts 712–717
military engineering 623.61
fortifications 623.1
naval engineering 623.8
Architraves
door & window constr'n 721.865
wall construction 721.272
Archives
buildings architecture 725.158
in specific fields see subject; *see also* Documents, History, Manuscripts
Archivolts
arch construction 721.428
door & window constr'n 721.865
interlacing wall constr'n 721.262
Archsolids archi. constr'n 721.428
Archstones " " 721.428
Archuleta co., Colo hist. 978.832
Arcs
doubleau vaulting constr'n 721.456
elevating
artillery accessories 623.4621
radio generating 621.3841313
Arctic
cities civic arts 711.422
currents oceanography 551.47
ocean physiography 551.468
plants floriculture 635.9524
regions, alpine veget. ecol. 581.524444[2]
birth rate 312.1
farming in 631.0911
history 998–999
radio transmission 621.384115521
see also Alpine, Nival
Arctoidea mammalogy 599.7444
Arctotidaceae botany 583.5534
Arcuation archi. design 729.334
plant culture 631.534
Arcunate fibers anatomy 611.8182
Arcyriaceae (Endosporeae)
botany 589.2932
Ardahan Eur. w., 1914 940.4226
1915 940.4254
Ardèche history 944.82
Ardennes
France history 944.31
Eur. w., 1914 940.4214
draft horse (Equidae)
dom. anim. 636.1542
sheep (Bovidae) dom. anim. 636.3444
Ardigò, Roberto It. essays 854.85
Ardmore, Okla history 976.6581
Area calculators
manufactures 681.144
office equipment 651.2645
Areas
computation of surveying 526.97
geometry 513.18
Arenac co., Mich history 977.473
Arenga saccharifera
(Palmaceae) sugar crops 633.65
Areola anatomy 611.691
Areolar tissue
anatomy 611.76
histology 611.01824
subcutaneous anatomy 611.779
Areometer hydraulics 532.4
Aretino, Pietro It. drama 852.34
Arezzo, Guittone d' It. poet. 851.12
Argali (Bovidae) mammalogy 599.73584
Argand lamp chemic tech. 665.6
dom. lighting 644.323
Argensola, B J Leonardo y
Spanish poetry 861.34
Argenteuil co., Que hist. 971.423
grape vitic. 634.8544
Argentine Republic history 982
Argillite petrology 552.44
Argolis history, ancient 938.8
Argon chemistry 546.293
Argonauts Greek mythol. 292
Argonne Eur. w., 1915 940.4244
Argonne-Meuse campaign
1918 European war 940.436
Argot, criminal sociol. 364.3014
French language 447.09
[3] other " —709

Argument
from design apologetics 239
metaphysics 124
nat. theology 211
legal procedure 347.92
logic 168
Argumentation rhetoric 808.5
Argus and Pelican, ships
War of 1812 973.5253
Argyll history 941.38
Aria (Hari-Rud) hist., anc. 939.65
vocal music 784.2
Arian race ethnology 572.891
psychology of 136.4891
Arianism heresies 273.4
sectarian hist. 288
Arici, Cesare It. poetry 851.67
Arid land plants veget. ecol. 581.526534
Ariége history 944.88
Aries occult astrology 133.522
Arillatae botany 584.21
Ariosto, Lodovico It. poet. 851.32
Aristippus philosophy 183.5
Aristocracy, education of 371.963
polit. sci. 321.5
soc. classes 323.31
Aristolochiaceae botany 583.924
Aristolochiales " 583.922
Aristophanes Greek drama 882.4
Aristotelian group philos. 185
Aristotle Greek classics 888.5
philosophy 185.1
Aristotle's illusion psychol. 152.735
Aristotypes photography 772.15
Arithmetic elem. education 372.7
mathematics 511
polit. statis. 310
Arithmometers manufactures 681.141
mathematics 510.78
office equip. 651.2641
Arizona acquisition US hist. 973.621
admission " " 973.912
history 979.1
see note under Virginia
Arizonica, vitis agric. 634.8438
Arkansas
City, Kan history 978.1891
co., Ark " 976.786
nat'l forest descr. 917.674
River history 976.73
Okla history 976.68
Salt Fork hist. 976.62
valley, Colo hist. 978.89
Arkansas (cont.)
state, admission US hist. 973.56
history 976.7
see note under Virginia
secession US hist. 973.713
Arlington co., Va history 975.5295
Arm anatomy, regional 611.972
muscles anatomy 611.7372
rests mot. veh. body 629.2655
Armada, Sp. hist., Eng. 942.055
Sp. 946.04
Armadillo (Edentata)
mammal. 599.31
Armagh history 941.66
Armament ordnance 623.4
shipbuilding 623.9
Armamentaria medicine 610.78
surgery 617.91
Armature stamps elec. eng. 621.318
Armatures elec. machinery 621.316
sculpt. equip. 731.3
Armed gloves manufactures 685.434
neutrality law of war 341.3
Armenia
campaign, 1914 Eur. w. 940.4226
1915 " " 940.4254
1916 " " 940.4292
1917 " " 940.4332
1918 " " 940.4381
history 956.6
ancient 939.55
Russian 947.9
Armenian archi. styles 723.21
[1] **church 281.62**
[4] **language 491.54**
text Bible 220.49
Armentières
Eur. w., 1914 940.4217
1918, Ap. 940.4342
Oct. 940.4363
Armies, int'l mil. organiza. 355.358
mil. organization 355.35
war customs 399
Arminian
[1] **Baptists sectarian hist. 286.1**
doctrine of grace soteriol. 234.112
Methodists sectarian hist. 287
Arminians Remonstrants 284.9
Armistice
law of war 341.3
Nov. 11, 1918 Eur. w. 940.439
Armor
effect of projectiles on
ballistics 623.5623
fine arts 739.75

Armor (cont.)
fortifications 623.124
shipbuilding 623.9
war customs 399
Armoracia rusticana
(Brassicaceae) field crops 633.846
Armored cars mil. science 358.1
wire manufactures 677.73
Armorial china ceramics 738.27
[4] **Armoric language** 491.68
Armories architecture 725.184
care of mil. eng. 623.48
Armor-piercing shells ordn. 623.4518
Armor-plates manufactures 672
Arms
coats of heraldry 929.8
nat'l polit. sci. 320.18
rare bookbinding 095
univ. & col. 378.27
cross electric lines 621.319224
factories architecture 725.437
fine arts 739.7
fire, identification
public safety 351.753
military equipment 355.82
science 355.82
see also specific names & services
ordnance 623.4
small ammunition 623.455
stabbing ordnance 623.444
steering mot. veh. 629.2477
surgery 617.57
war customs 399
Armstrong
county, Pa history 974.888
frequency modula. syst.
radio 621.384152
Army
and navy of the Gulf, Soc.
of the 369.156
of the US, Soc. of
veterans of the
regular 369.112
union of the USA,
Regular 369.111
blankets textile mfg 677.62
cookery domestic econ. 641.573
engineering 623
[1] **foreign government** 354
huts architecture 725.186
intelligence tests
alpha psychology 151.22232
beta " 151.22233
picture completion
psychol. 151.22223
Army (cont.)
libraries 027.652
[1] life **European war** 940.483–.484
military sci. 355.1
US Civil war 973.783–.784
[1] **men biography** 923.5
military science 355
of Santiago de Cuba, Soc.
of the US organiza. 369.182
the Cumberland, Soc. of
the 369.158
organization mil. sci. 355.31
pensions civil service 351.5
posts military eng. 623.613
estab. 355.71
registers, *see* Registers
army
Salvation relig. ass'ns 267.15
Sunday school " " 268.437
train military sci. 357.3
US government 353.6
units military sci. 355.31
Army-worm (Noctuina)
agricultural pests 632.786
Arna (Bovidae) dom. anim. 636.2932
Arnaut
Daniel Provençal poetry 849.127
Vidal de Castelnaudary
Provençal poetry 849.131
Arndt, E M German poetry 831.71
Arnica (Senecionidaceae) bot. 583.5536
Arnim, L A German fict. 833.66
Arnold
Benedict
at Lake Champlain
Amer. revol. 973.352
Can. exped. Amer. revol. 973.3316
n Conn. " " 973.3377
treason " " 973.382
Matthew English essays 824.85
ganglion of anatomy 611.89156
nerve of " 611.831911
Arnotto (Bixaceae) botany 583.138
Arnulf German history 943.021
Aroideae botany 584.65
Aromatic
compounds
physiol. of nutrition 612.398196
products chemic tech. 668.5
series org. chemistry 547.25
woods forestry 634.9766
Aromunian language 459.7
literature 859
Aroostook co., Me hist. 974.11
war, 1839 US hist. 973.57

Arpeggios piano exercises 786.34
Arquebus ordnance 623.441
Arrangements instr. music 785.9
music compos. 781.64
form 781.50838
piano music 786.49
Arras Eur. w., 1914 940.4217
1917, air raids 940.447
May 940.4315
Nov. 940.4317
history 944.27
Arrearage private law 347.7
Arrebo, A C Dan. poetry 839.81131
Arrest criminal law 343
legal procedure 347.9
Arresters, *see* Protective devices
Arrhenatherum (Aveneae)
field crops 633.265
Ar-Rimal history 953.7
Arrom de Ayala, C F J B
Sp. fict. 863.53
Arrondissement Fr. loc. gov't 352.04405
Arrow-grass (Juncagineae)
botany 584.744
Arrowhead
botany 584.721
inscriptions, Assyro-Babylonian philology 492.1917
paleolithic archeol. 571.15
Arrowroot
botany 584.211
silver process phot. 772.13
Arrows archery 799.32
fine arts 739.73
weapons 399
Arrowwood
(Caprifoliaceae) botany 583.511
Indian (Celastraceae) bot. 583.272
(Cornaceae) " 583.497
(Rhamnaceae) " 583.2791
(Rosaceae) " 583.37
Ars signorum universal lang. 408.9
Arsenals architecture 725.187
military eng. **623.47**
estab. 355.73
tactics 355.415
Arsenates mineralogy 549.72
Arsenic chemistry 546.19
ores geol., econ. 553.47
mining 622.347
pharmacy 615.2191
toxicology 615.926
Arsenids chemistry 546.19
mineralogy 549.3
Arson criminal law 343
Art
anatomy drawing **743**
and crime sociology 364.254
animals in 704.9432
black sorcery **133.4**
bronzes fine arts **739.512**
cats in agriculture 636.87
Christian ecclesiology **246**
fine arts **704.9482**
civic " " **711**
commer. adver. copy 659.1323
drawing 741.67
commissions city plan. 711.173
cryptographic eccles. 246.5
delineation of
children psychol. 136.757
women " 396.7
department journalism 070.4477
dogs in agriculture 636.77
eccles. prac. theol. **246**
emblematic ecclesiology 246.5
freedom of polit. sci. 323.447
galleries architecture **727.7**
in libraries 021.48
library bldg 022.656
of California 708.194
France 708.4
Vienna 708.361
etc.
[1] **history of** **709**
holidays soc. customs 394.2647
immoral ethics 176.7
landscape fine arts **710**
material lib. acquis. 025.297
admin. 025.177
preserv. 025.8
museums admin. regula. 351.853
fine arts **708**
museum econ. 069.0187
school bldgs 371.622
equip. 371.657
non-Christian fine arts 704.9488
objects, duty on tariff 337.73
museum econ. **069.47**
relig. ecclesiology **246**
fine arts **704.948**
rudiments archeology **571.7**
studios architecture **727.79**
Artcraft composition engr.
fine arts **761.7**
Artemisia
(Anthemidaceae) botany 583.5537
dracunculus (Carduaceae)
garden crops 635.74

Arterial
blood physiology 612.113
circulation " 612.133
pressure and vasomotors
physiology 612.182
Arteries anatomy 611.13
pathology 616.13
pressure in physiol. 612.143
see also qualifying or specific names
Arteriosclerotic senile
dementia medicine 616.89838
psychology 132.19838
Artesian wells water supply 628.11
Arthabaska co., Que history 971.4565
Arthoniaceae botany 589.172
Arthritis pathology 616.72
Arthrocladiaceae botany 589.457
Arthrodia anatomy 611.72961
Arthropoda zoology 595.2
Arthrostraca " 595.37
Arthur, C A, pres. US hist. 973.84
co., Neb history 978.2785
Arthurian romances folklore 398.22
Artichoke
(Carduaceae) garden crops 635.32
Jerusalem (Helianthaceae)
field crops 633.494
garden " 635.24
Articles
English etimology 422.6
[3] other language —26
English morphology 425.16
[3] other language —516
English syntax 425.6
[3] other language —56
of confederation, 1781–89
American revolution 973.318
ritual, Catholic 264.027
Greek 264.0197
Prot. Epis. 264.037
etc.
Articular
chromisms psychology 152.77126
movement sensations
physiology 612.885
psychology 152.673522
perceptions
pathol. of psychol. 152.677
tests " 152.6785
phonisms " 152.7726
sense organs anatomy 611.88
physiology 612.88
psychology 152.61
Articular (cont.)
senses psychology 152.6735
sensibility " 152.671
synesthesia " 152.776
Articularis genu anatomy 611.738225
Articulatae botany 587.2
Articulates paleozoology 565
zoology 595
Articulation oratory 808.5
philology 411.5–.6
Articulations, *see* Joints
Articulo coxae anatomy 611.7282
Artifacts anim. histol. 591.8
archeology 571.7
biology 576.34
veget. cytol. 581.874
Artificial
see under qualified terms
Artigue process photography 773.122
Artillery
accessories mil. eng. 623.46
establishment " sci. 355.73
gunnery 623.5
implements ordnance 623.463
maneuvers mil. training 355.543
military science 358.1
naval naval sci. 359.981
ordnance 623.4
projectiles ordnance 623.451
vehicles mil. equip. 355.83
Artillery-plant (Urticaceae)
botany 583.9621
Artiodactyla mammalogy 599.73
Artisans biography 926
economics 331.794
Artistic copyright business 655.62
dances music form 781.50858
workers economics 331.71
Artists 706.9
biography 927
Artocarpaceae (Moraceae)
botany 583.9622
Artocarpus incisa (Moraceae)
fruitculture 634.39
Artois, Fr. history 944.27
European war, 1914 940.4217
1915 940.4243
Artotypes photography 774.1
Arts and crafts 745
fine 700
recrea. amusements 790
useful & industrial 600
Arum (Araceae) botany 584.65
Arundel marbles philology 481.7

Arundo (Festuceae)
fiber crops 633.586
Arusha history 967.87
Aruwimi River history 967.56
Aryan languages 491
Arytenoid anatomy 611.221
Arzobispo islands history 952.85
Asafetida pharmacy 615.323481
therapeutics 615.789
Asben history 966.28
Asbestos
engineering materials 620.195
fabrics textile mfg 677.51
geology, economic 553.67
in clothing dom. econ. 646.19
radio insulating material 621.38417910195
Ascension
Christology 232.972
doctrinal 232.5
of Isaiah pseudepigrapha 229.913
parish, La. history 976.319
right, varia. of astron. 521.27
Asceticism heresies 273.2
personal relig. 248
Ascidia zoology 594.91
Ascites pathology 616.38
Asclepiadaceae botany 583.73
Ascobolaceae botany 589.2332
Ascocorticiaceae " 589.237
Ascoideaceae " 589.2362
Ascolichenes " 589.15
Ascomycetes " 589.23
Aseel fowls (Gallinae) agric. 636.58811
Asenga history 963.968
Asexual
reproduction biology 574.165
physiology 612.6041
spores veget. embryol. 581.32542
Asexuality plant breeding 631.523
Ash
and nutrition physiology 612.3926
botanic chemistry 581.1922
in food dom. economy 641.17
(Oleaceae) botany 583.71
see also Mountain-ash
removers
steam boiler furnace 621.18378
Ashangoland history 967.2
Ashanti " 966.74
Ashburton-Webster treaty
1842 international law 341.273
US history 973.58
Ashe co., NC history 975.6835
Ashes
fertilizers 631.831
footprints in divination 133.333
removal of sanitary eng. 628.44
volcanic lithology 552.22
Ashihara-no-nakatsu-kuni
history 952
Ashikaga
shoguns Jap. history 952.023
Takauji " " 952.0227
Yoshiakira " " 952.0228
Yoshimitsu " " 952.0229
Ashland, city, Ky history 976.9271
co., O. " 977.129
Wis " 977.521
Ashlar stone foundations
architecture 721.1332
Ashley co., Ark history 976.783
Ashpits
locomotive boilers 621.1332
railway engineering 625.16
steam boiler furnace 621.18355
Ashtabula co., O history 977.134
Ashu history 952.34
Ashuanipi co., Que hist. 971.419
Ashville, city NC " 975.6881
Plateau, " " 975.68
Ashy grape viticulture 634.8443
Asia
history 950
Minor
archi. styles, early Chr. 723.121
campaign, 1916 Eur. w. 940.4291
history 956
ancient 939.2–.3
Asiago plateau Eur. w. 940.4371–2
Asiatic
architectural styles 722.1–.5
bantams (Gallinae) agric. 636.58714
languages 491–495
literature 891–895
Asimina triloba (Anonaceae)
fruitculture 634.418
Asinari, Federigo It. drama 852.44
Askau pigment printing phot. 773.2
Asotin co., Wash history 979.742
Asparagus (Convallariaceae)
floriculture 635.97534
garden crops 635.31
Aspen Ridge, Ida history 979.645
(Salicaceae) forestry 634.9723
Aspergillales botany 589.238
Asperococcaceae " 589.457

Asphalt
chemic technology 665.4
engineering materials 620.196
geology, economic 553.27
mining 622.337
pavements engineering 625.85
processes, metallic phot. 773.2
photomech. " 777.1
Asphaltotypes photography 777.2
Asphodeloideae (Liliaceae)
botany 584.32
Asphyxia
pathology 616.206
physiology 612.22
of blood pressure 612.1461
surgery 617.18
see also Suspended animation
Aspidieae (Polypodiaceae)
botany 587.3127
Aspidiotus perniciosus
(Coccidae) agric. pests 632.7523
Aspidobranchia zoology 594.324
Aspiran blanc grape vitic. 634.849
Aspirates English language 421.2
[3] other " —12
Aspiration, pneumatic
therapeutics 615.815
Ass (Equidae) dom. anim. 636.182
milk dairy industry 637.172
Assab history 963.5
Assam " 954.1
Assassination crim. law 343
[1] **Assassins biography** 923.41
Assault & battery crim. law 343
Assaying chemistry 543.6
metallurgy 669.9
numismatics 737.44
Assemblies educ. meth. 371.3322
soc. psychol. 301.1583
student life 371.892
Assembly
formation military sci. 355.53
halls architecture 725.83
[1] **legislative polit. sci.** 328
methods mot. veh. 629.2341
nat'l eccles. polity 262.41
Fr. hist., 1789–92 944.041
1871 944.08
right of polit. sci. 323.47
rooms school bldgs 371.621
Assent logic 163
Assessment
civil service 351.6
electoral corruption 324.273
real estate taxation 336.222
taxation 336.292
Assessments lib. finances 025.113
Assignats fin. economics 332.53
Assignments educ. methods 371.32
private law 347.7
Assimilation
of food, *see* Food
assimilation
sociology 301.1534
Assinie history 966.681
Assistance, *see* Aid
Assiut history 962.28
Assize, courts of jurispr. 347.99
Associated study self-educ. 374.2
Association
and
emotional congruity
psychol. 153.2126
frequency psychol. 153.2123
interest " 153.2127
primacy " 153.2122
recency " 153.2124
repetition " 153.2123
reproduction
psychol. of memory 154.3314
rhythm psychology 153.2128
vividness " 153.2125
compound " 153.232
contrast " 153.2114
dynamic " 153.235
external " 153.2112
free psychoanalysis 131.3424
impartial psychology 153.232
of ideas psychology 153.2
ordinary or mixed psychol. 153.233
physiol. of medicine 612.8212
psychol. 153.22
plantings lands. art 715.17366
public order 351.752
redintegrative psychol. 153.232
right of polit. sci. 323.47
serial psychology 153.236
similar " 153.234
similarities " 153.2113
spacial " 153.2112
temporal " 153.2112
tests
psychol. 153.28
measurements 151.223332
theory of will psychol. 159.01642
time psychometry 152.834335
Associationism philosophy 149.4
Associations
affective
psychol. of recognition 154.3423
cellular biology 576.5
cooperative polit. econ. 334

Associations (cont.)
intermediate mnemonics 154.126
kinesthetic
psychol. of recognition 154.3424
labor economics 331.88
motor
psychol. of recognition 154.3424
plants 581.55
political 363
societies, etc., in fields
[2] not specified sce subj. —062
weak, and forgetting
psychology 154.514
welfare sociology 360
Associative reflex
comparative psychology 151.3072587
Associes veget. ecology 581.55
Assomption co., Que history 971.4416
Assuan history 962.36
Assumption
of Mary Christology 232.931
Moses pseidepigrapha 229.913
parish, La. history 976.343
Assyria history, ancient 935.2
Assyrian archi. styles 722.51
[4] **language** 492.19
relig. comp. theol. 299.219
[4] **Assyro-Aramaic language** 492.1
Astacidae (Macrura) zoology 595.3841
Astasiaceae botany 589.9742
Aster, heath- (Eupatoriaceae)
botany 583.5544
Asteraceae botany 583.5543
Asterales " 583.53
Asteroidea zoology 593.92
Asteroids astronomy 523.44
occult astrology 133.532
Asteropherus, M O
Swed. drama 839.7222
Asteroxylaceae
(Psilophytales) botany 587.45
Asters veget. cytology 581.873433
Asthenopia
accomodative ophthalmol. 617.75
muscular " 617.76
Asthma, hay- pathology 616.202
pathology 616.23
Astigmatism ophthalmol. 617.75
physiology 612.8453
psychology 152.153
school hygiene 371.72
Astoria, Ore history 979.5461
Astragalomancy psychology 133.332
Astragalo-scaphoid ligament
anatomy 611.72851
Astragalus anatomy 611.71871
Astral body spiritism 133.923
Astrapotheria mammalogy 599.642
paleozoology 569.642
Astrea, *pseud.* Eng. fict. 823.44
Astringents therapeutics 615.772
Astrochemistry astronomy 523.86
Astrolabe astron. instr. 522.41
Astrolatry comp. religion 291.2127
Astrologers, fraudulent
humbugs 133.75
Astrologic
physiognomy
characterology 138.2
theories of dreams
psychol. 135.30168
Astrology ancient astron. 520.1
applied 133.56–.58
occultism 133.5
Astronautics aircraft eng. 629.1388
Astronioideae
(Melastomaceae) botany 583.43
Astronomers 520.69
biography 925.2
Astronomic
almanacs chronology 529.43
charts, maps, etc.
collections of 524
of comets 523.69
collections 523.6
moon 523.39
collections 524.3
planets 523.49
collections 524.4
stars 523.89
collections 524.8
sun 523.79
collections 524.7
clocks manufactures 681.1132
science 529.78
corrections 522.9
determinations geodesy 526.6
geography 525
instrumental errors 522.98
instruments science 522

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Astronomic (cont.)
observations 522.19
auxiliary 522.6
coll'ns of 524
of comets 523.69
coll'ns 524.6
moon 523.39
coll'ns 524.3
planets 523.49
coll'ns 524.4
stars 523.89
coll'ns 524.8
sun 523.79
coll'ns 524.7
reduction to meridian of 522.77
period psychometry 152.830902
photography science 522.63
reaction time psychom. 152.83852
Astronomy 520
descriptive 523
in relation to geodesy 526.6
lunar 523.3
nautic navigation 527
physical 521
practical 522
solar 523.7
spheric 522.7
stellar 523.8
theoretic 521
Astrophysics astronomy 523
Astrophytonidae zoology 593.94
Astrotheliaceae botany 589.16
Asturias history 946.1
Aswân " 962.36
Asylum
districts city planning 711.555
grounds landscape art 712.74
libraries 027.662
right of belligerents 341.3
legal antiq. 340.3
refugees 341.51
Asylums
[1] **and hospitals, hist. of 362.9**
in Chicago 362.977311
England 362.942
Medo-Persia 362.935
etc.
animal architecture 725.59
architecture 725.5
city planning 711.665
hygiene of dwelling 613.56
inebriate architecture 725.65
sociology 362.13
see also Alcoholism
Asylums (cont.)
insane sociology 362.2
soc. institutions 362
Asyût history 962.28
Atakapas Prairie, La. hist. 976.353
Atalanta, ship Amer. revol. 973.357
Atalantia trimera (Rutaceae)
fruitculture 634.342
Atavism and crime sociol. 364.23
biology 575.137
Ataxia pathology 616.83
Atchafalaya Bay, La. descr. 917.6341
Atchison co., Kan history 978.136
Mo " 977.811
Atelectasis pathology 616.249
Ateliers, *see* Studios
Athanasian creed doc. theol. 238.14
Atharva-Veda comp. relig. 294.1
Athecatoidae botany 589.97333
Atheism apologetics 239
natural theol. 211
[1] **Atheists biography 922.91**
Athena Greek mythology 292
[1] **Atheneum libraries 027.2**
Atheneums
Dutch pub. schools 379.492
Athenian supremacy Gk hist. 938.04
Athens, city, Ga hist. 975.8181
Greece " 949.5
county, O " 977.197
Greece hist., anc. 938.5
Plateau, Ark hist. 976.746
Atherospermoideae botany 583.1147
Athletes 796.069
biography 927.96
Athletic
clubs architecture 725.85
hygiene 613.706
equip. military sci. 355.86
fields landscape art 712.545–.547
school premises 371.61
sports recreation 796
school hyg. 371.73–.75
Athletics hygiene 613.72
Atkinson co., Ga history 975.882
Atlanta
and Wasp, ships
War of 1812 973.5255
city, Ga, campaign, 1864
US Civil war 973.7371
history 975.8231
Atlantal joints anatomy 611.7215
Atlantes architecture 729.326

Atlantic co., NJ history 974.984
ocean " 940
physiog. 551.461
squadron
US Civ. war 973.756
states US hist. 974
telegraph sociol. 384.4
Atlantis anthropology 572.4
antiquities 913.39
classic mythol. 292
Atlas anatomy 611.7112
Greek mythology 292
Mountains history 964.4
silk industry 677.4164
Atlases
celestial astron. coll'ns 524
[1] **geography** 912
[1] **historical** 911
school equipment 371.6791
in other specific fields
[2] see subj. —084
see also Maps
Atmography photography 771.5345
Atmosphere
and plants. veget. ecol. 581.52237
soil agriculture 631.433
geologic agents 551.93
hight of, from meteoric
observations astron. 523.58
lunar astronomy 523.35
meteorology 551.5
physics 533.3
public health 614.773
radio transmission 621.384115
worship comp. relig. 291.2125
Atmospheric
conditions and visual
perception physiology 612.84372345
psychol. 152.1372345
currents aeronautics 629.13241
meteorology 551.51
radio
transmission 621.38411551
effects landscape constr'n 713.4
electricity physics 537.4
erosion geology 551.37
pressure veget. ecol. 581.5424
railways eng. 625.5
roads avigation 629.13253
vibrations acoustics 534.1
Atmospherics
radio interference 621.3841541
Atoka co., Okla history 976.666
Atolls geologic agents 551.96
Atomic
heat thermochemistry 541.36
theory chemistry 541.2
Atomicity chemistry 541.2
Atomism philos. 146
early Gk 182.6
Atoms stereochemistry 541.6
Atonement Christology 232.3
Atrato
canal commerce 386.442
River, Colombia hist. 986
Atriplex hortensis (Chenopodiaceae) garden crops 635.43
Atrium, cardiac anatomy 611.125
church architecture 726.591
of middle ear anat. 611.854
Atrocities, *see* Cruelty
Atrophies
botany 581.227
muscular
physiology 612.7465
of nerves 612.8173
of myel physiology 612.835
skin pathology 616.54
Atropin
and heart physiology 612.1741
iris " 612.8424
psychology 152.124
salivary glands
physiology 612.31342
pharmacy 615.336
see also Belladonna
Attachés military sci. 355.34
polit. " 327
Attack
formations military sci. 355.53
means of anim. ecol. 591.57
biology 575.373
botany 581.573
comp. physiol. 612.016
military engineering 623.2
science 355.422
Attala co., Miss. history 976.2644
Attendance
end of students 371.291
[1] **registers, univ. & col.** 378
school discipline 371.52
Attendants, unnecessary
legislative bodies 328.3626
Attention
acquired psychology 152.723323
active " 152.723343
and selection conditions
psychology 152.7232

Attention (cont.)
artificial psychology 152.723323
bodily attitude in psychology 152.72343
circulatory reaction of psychology 152.72341
clearness of psychol. 152.72352
concentrated " 152.723532
conscious, diminution of psychol. of movement 158.43343
degrees of psychol. 152.72353
derived psychology 152.723323
divided " 152.723533
duration of " 152.72363
explicit " 152.723332
fluctuant " 152.723633
focal " 152.723522
immediate " 152.723342
implicit " 152.723333
innate " 152.723322
instinctive " 152.723322
intellectual " 152.723333
involuntary " 152.723342
marginal " 152.723523
natural " 152.723322
nonvoluntary " 152.723344
objective " 152.723332
passive " 152.723342
pathology of " 152.7237
phys. reactions of " 152.7234
physiology of brain 612.8212
primary psychology 152.723322
psychology 152.723
range of psychology 152.72362
respiratory reactions of psychology 152.72342
scope of psychology 152.72362
secondary " 152.723323
sensorial " 152.723332
shifting " 152.723633
span of " 152.72362
spontaneous " 152.723344
stimulation of " 152.72333
strength of " 152.72353
subjective " 152.723333
sustained " 152.723632
tests " 152.7238
psychol. measurements 151.2232723
theories of
abstraction psychol. 153.30164
psychology 152.7231
varieties of psychol. 152.7233
vasomotor reactions of psychology 152.72341
voluntary psychology 152.723343

Atterbom, P D A Swed. poet. 839.7165
Attic furnishing dom. econ. 645.69
of middle ear anatomy 611.8545
Attica history, ancient 938.5
Attics archi. constr'n 721.275
Attitudes
psychology of reflection 153.4
Attorneys 347.069
[1] **biography** 923.4
Attraction
affinitive chemistry 541.39
animal ecology 591.57
astronomy, lunar 523.33
biology 575.374
capillary, *see* Capillary attraction & repulsion
magnetic physics 538
mechanics 531.5
muscular, and attention psychology 152.72315
of mountains geodesy 526.14
veget. ecology 581.574
Attrahens anatomy 611.7324
Attributes, divine
doctrinal theology 231.4
Atwood sheep, Sp. (Bovidae)
domestic animals 636.366
Atypic children education 371.9
Aubanel, Théodore
Provençal poetry 849.145
Aube history 944.331
Aubergine (Solanaceae)
garden crops 635.646
Aubigné, T A d' Fr. wit 847.34
Auburn system prisons 365.25
type prison bldgs 365.53
Aubusson carpet mfg 677.643
Auchenorrhyncha entomology 595.753
Auction
catalogs bibliography 017–019
exchanges fin. econ. 332.61
book lib. acquisition 025.224
buying methods 658.727
law of jurispr. 347.7
selling channels 658.844
Aude history 944.87
Audibility
measurement radio 621.384177
meters radio reception 621.38413645
Audible adver. business 659.14
Audiences social psychol. 301.1583
Audile type personality 137.45
Audio frequency, *see* Frequency, low
Audions radio tubes 621.384132

Audiphone acoustics 534.7
Auditing accounting 657
Audition. colored music 781.1
geometric psychol. 152.7713
Auditorium
in library bldg 022.651
work educ. methods 371.3322
student life 371.892
Auditoriums archi. 725.83
church 726.592
city planning 711.668
Auditory
acuteness **physiology** **612.85871**
psychology **152.2871**
canal anatomy 611.858
ear pathology 617.83
external anat. 611.858
physiology 612.851
center in brain
physiol. 612.82555
of hearing 612.85872
psychology 152.2872
chromism
physiol. of vision 612.84373
psychol. " " 152.1373
distance perception
physiology **612.858751**
psychology **152.28751**
illusions psychology 152.732
nerve anatomy **611.8318**
physiol. 612.8198
of ear 612.8585
psychology 152.285
perception physiol. **612.8587**
psychol. **152.287**
tests
physiol. 612.85878
psychol. 152.2878
reflexes physiol. 612.8588
psychol. 152.288
sensations physiol. **612.85**
psychol. **152.2**
sensibility physiol. **612.85871**
psychol. **152.2871**
synesthesia psychol. **152.772**
theories acoustics 534.7
tube anatomy 611.856
Auditus coloratus
physiology of vision 612.84373
psychology " " 152.1373
Audrain co., Mo history 977.833
Audubon co., Ia history 977.7486
soc. ethics 179.3
ornithol. **598.2062**
Auer jets phot. lighting 771.444
Auerbach, Berthold Ger. fict. 833.81
Auersperg, A A Ger. poet. 831.77
Augeoideae (Zygophyllaceae)
botany 583.221
Auger, posthole farm tools 631.3113
Augeronne swine (Suidae)
domestic animals 636.443
Augier, Emile Fr. drama 842.83
Auglaize co., O history 977.143
Augment Greek etymology 482.8
[3] other lang. —28
Augsburg
confession doc. theol. 238.41
sect. hist. 284.1
diet church hist. 270.6
fowls (Gallinae) agric. 636.538
Augster grape viticulture 634.85439
Auguries psychology 133.334
Augusta, city, Ga history 975.8641
Me " 974.16
co., Va " 975.591
Augustine, Saint philos. 189.2
Augustinian nuns
religious orders 271.92
Augustinians relig. order 271.4
Augustinism doc. theol. 230.14
Augustowo Eur. w., 1914 940.4223
1915 940.4251
Augustus Roman history 937.07
Auk (Pygopodes) ornithol. 598.44
Aulacomniaceae botany 588.21412
Aunis history 944.64
Aura spiritism 133.923
theosophy philos. 149.3
relig. 212
Aurantiaceae (Rutaceae) bot. 583.23
Aureolas in art 704.9486
Auricle anatomy 611.858
ear pathology 617.82
physiology 612.851
Auricles, cardiac anat. **611.125**
Auricula ear anatomy 611.858
Auricular
artery anatomy 611.13325
confession penanace 265.62
nerve, large anat. 611.83332
of vagus " 611.831911
Auriculariineae botany 589.2231
Auriculoventricular valves
anatomy **611.1264**
Aurochs (Bovidae)
domestic animals 636.2923
Aurora, Ill history 977.323
process photography 778.66

Auroras
  astronomy 523.59
  influence
    radio transmission 621.38411555
Aurotypes photography 772.34
Auscultation diagnosis 616.0754
Auspices divination 133.334
Austen, Jane Eng. fiction 823.74
Austin
  city, Tex history 976.4
  friars Augustinians 271.4
Austral islands history 996.2
Australasia history 993
Australasian & North Amer.
  route commerce 387.5228
Australia history 994
Australian
  ballot suffrage 324.256
  pitcher-plant (Cephalotaceae) botany 583.391
  rosewood (Meliaceae) bot. 583.251
Austria history 943.6
Austrian
  ascendancy It. hist. 945.07
  philosophers 193.9
  succession, war of
    European history 940.22
    US " 973.26
    see also King George's war
Austro-Italian front, *see* Italy campaigns
Austro-Prussian war, 1866
  Austrian history 943.6
  German " 943.081
Autauga co., Ala history 976.146
Autecology botany 581.522
Authenticity Bible 220.1
  paintings 951.58
Authentics Roman law 349.37
Author bibliographies 011–012
Authoritarianism
  polit. economy 335.64
    science 321.6
Authority
  church eccles. polity 262.8
  ethics 171.1
  school discipline 371.5
Authors
  anniversaries of
    indiv. soc. customs 394.268
    soc. customs 394.2648
  games 793.71
Authors (cont.)
  literary 806.9
    biography 928
  remuneration of
    publishing 655.52
  rights of copyright 655.6
    int'l law 341.57
    priv. " 347.7
  special classes of bibl. 013
Authorship Bible 220.1
    lit. methods 029.6
Autistic thinking psychol. 135.37
Autobasidiomycetes botany 589.221
Autobiographic meth.
  criminol. 364.3018
Autobiography 920
Autochromediascopes phot. 778.68
Autochroms photography 775.8
Autocopyist processes phot. 774.1
Autocracy polit. science 321.6
Autocrat worship comp. relig. 291.213
Auto-da-fé church hist. 272.2
    Sp. " 946.04
Autodigestion, gastric
  physiology 612.3234
Autodromes architecture 725.863
Autodyne
  action of electron tubes
    radio 621.384132312
  receiving sets radio 621.384136622
  reception syst. radio 621.3841537
Autogiros aviation 629.13335
Autographic film cameras
  photography 771.3133
Autographs book rarities 091.5
    music 781.969
Autography
  photo- telegraphy 621.3827
  photography
    chromolithographic 775.8
    fine arts 778.12
Autogravure process phot. 777.1
Autogravures, lithographic
  photography 775.8
Autoheterodyne receiving sets
  radio 621.3841366233
Autohypnosis psychology 134.6
Autointoxication physiol. 612.3988
Autolysis
  biology 577.74
  muscular postmortuary
    physiology 612.7421
  physiologic chemistry 612.015349

Automatic
devices
door & window constr'n 721.892
Electric co. system
telephony 621.38576
guns ordnance 623.4225
system telephony 621.38575
Automatics, distributing mfg 681.13
Automatism metaphysics 127
psychology 153.8
Automatisms
divination 133.322–.323
sensory spiritism 133.93
Automaton clocks mfg 681.1173
Automatons manufactures 681.15
recreation 791.5
Automobile antennas radio 621.3841359
cavalry mil. sci. 357.5
factories archi. 725.4522
shows adver. 659.152
touring recrea. 796.53
Automobiles
and crime sociology 364.255
body types of 629.261
engineering 629.2
radio in engineering 621.38419123
use in advertizing 659.135
Automobiling recreation 796.7
Automotive engineering 629.1
Autonomic
locomotion botany 581.1866
movements " 581.185
nervous syst., *see* Nervous syst., sympathetic
projections botany 581.1856
Autonomy
ethics 171.6
native colonization 325.315
political science 320.157
Autopsy pathology 616.0759
see also Forensic medicine
Autoscopic divination
psychology 133.32
Autosporinae botany 589.47522
Autosuggestion hypnotism 134.6
Autotomy comp. physiol. 612.0161
protective biol. 575.37
bot. 581.57
zool. 591.57
Autotoxemia physiology 612.3988
Autotransformers elec. eng. 621.3144
Autotrophy physiol. botany 581.1332
Autotype processes phot. 773.123
Autumn birth rate demog. 312.1
folklore 398.3323
Auvergne
history 944.59
sheep (Bovidae)
dom. anim. 636.3421
Auxanoscopes photography 778.22
Auxiliaries mil. organiza. 355.352
Auxiliary schools
[1] **education, adult 374.8**
public 379.91
Auxois grape vitic. 634.8544
Ava history 959.2
Avalanches
forest effects on agric. 634.9227
geology 551.31
Avarice ethics 174.5
wealth consumption 339.46
Avars history 950
Avatars Brahamanism 294.
Avellino history 945.72
Aveneae grass crops 633.286
Avenues lands. constr'n 713.72
see also Streets, Boulevards, etc.
Average values
accuracy of
math. probabilities 519.6
alligation 511.8
Averages maritime law 347.7
Averaging
stock & commodity trading 332.64
Averroes philosophy 189.3
Avery co., NC history 975.686
Aves ornithology 598.2
[4] **Avesta-Zend language 491.52**
Zoroastrianism 295
Aveyron
history 944.74
sheep (Bovidae)
dom. anim. 636.3468
Aviaries architecture 728.945
Aviary birds agriculture 636.686
Aviation
applications eng. 629.138
commericial " 629.1382
engineering 629.133
radio in eng. 621.3841914
sports 797.5
[1] **training camps Eur. w. 940.449**
Aviators' life hygiene 613.69
Avicenna philosophy 189.3
Aviculture agriculture 636.6
Aviets aviation 629.13337
Avigation 629.1325
equip. aircraft 629.1351
Avignon history 944.92
schism ch. hist. 270.5
Avila, Juan de Sp. letters 866.31

Avocado pear (Lauraceae)
fruitculture 634.653
Avocational guidance educ. 371.42
Avoirdupois metrology 389
Avon and Wasp, ships
War of 1812 973.5255
Avoyelles parish, La. hist. 976.371
Awa, Chiba history 952.1327
Shikoku " 952.34
Awaji " 952.1938
Awards school incentive 371.53
in other specific fields
[2] see subj. —079
Awarenesses
psychology of reflection 153.4
Awe religious emotion 291.12
Awemba history 968.965
Awisa, Awemba hist. 968.965
East Loangwa " 968.968
Awning
factories architecture 725.4131
porches archi. constr'n 721.867
Awnings domestic econ. 645.3
Ax, grubbing farm tools 631.3116
pruning " " 631.3425
Axes, position of geodesy 526.16
radical geometry 513.54
weapons 399
Axial
compositions lands. art 712.28
lines archi. elevations 729.16
plans 729.26
skeleton anatomy 611.711–.716
Axiflorae-apopetalae-polycarpellatae botany 583.11–.255
Axiflorae-gamopetalae-dicarpelatae botany 583.7–.8
polycarpellatae " 583.6–.6864
Axilla anatomy, regional 611.971
Axillary artery anatomy 611.1341
glands " 611.4671
muscles " 611.7371
veins " 611.1454
Axis anatomy 611.7113
Axis-cylinder histology 611.01883
Axle mechanical eng. 621.822
mechanics 531.82
Axles, driving mot. veh. 629.2455
railway eng. 625.21
steering mot. veh. 629.2475
wheel aircraft 629.1343844
Axminster carpet mfg 677.643
Ay grape viticulture 634.8544
Aydin history 956.2
Aylesbury ducks (Anseres)
agriculture 636.59721
Ayliff, Mount history 968.634
Ayr history 941.42
Ayrshire cattle (Bovidae)
domestic animals 636.2251
Azalea (Ericaceae) botany 583.62
Azaouad history 966.17
Azeglio, Massimo d' It. fict. 853.78
Azerbaijan, Persian hist. 955
Russian " 947.9
Azimuth
and earth surface irregularities geodesy 526.64
constant astronomy 522.37
determinations geodesy 526.63
instrument, astronomic 522.42
Azimuth-latitude-longitude formulas geodesy 526.46
Azo-bodies organic chem. 547.8
Azoic rocks geology 551.71
Azores history 946.99
Azotin fertilizers 631.848
Azoxy-bodies organic chem. 547.8
Aztec archi. styles 722.911
civilization hist. 972.014
club of 1847 US soc. 369.145
language 497
Azuma history 952.13
Azygos uvulae anatomy 611.73276
veins " 611.1456

Topics in black face type are subdivided. Superior figures refer to the tables following this index

B

Baalbek history, anc. 939.42
Babanango " 968.41
Babbit mot. veh. materials 629.23228
Babeuf doctrines socialism 335.22
Babism Mohammedanism 297
Baboon (Cynopithecidae)
mammalogy 599.82
Babouvism socialism 335.22
Babrius Greek poetry 881.4
Babyhood, *see* Infancy
Babylonia history, anc. 935.4
Babylonian
architectural styles 722.51
captivity, 1309–1377
church history 270.5
[4] **cuneiform language 492.19**
religion comp. theol. 299.219
Baca co., Colo history 978.898
Bacator grape viticulture 634.849
Baccador " " 634.85439
Baccalaureate
degrees univ. & col. 378.243
sermons homiletics 252.5
[1] **Baccalaureates, univ. & col. 378**
Baccarat card games 795.42
Bacchanalia soc. customs 394.1
Baccharis (Asteraceae) bot. 583.5543
Bacchus grape viticulture 634.843209
Bacchus Rom. mythology 292
Bachelorhood ethics 176.2
Bachelors apartments archi. 728.24
demography 312.5
taxation 336.251
Bacillariaceae botany 589.6233
Bacillariales " 589.62
Back
springs mot. veh. body 629.2652
to the home movement
unemployment reduction 331.137
Backbone anatomy 611.711
Backgammon ethics 175.5
games 795.1
Background
advertizing layout 659.1324
effects phot. sensitometry 771.5345
Backgrounds lands. art 712.28
painting 754.41
phot. furn. 771.21
Backings photographic chem. 771.528
Backs camera equip. 771.32
telephoto phot. 771.352
Backsight ordnance 623.4251
Backstitching dom. economy 646.21
Back-stops landscape art 717.85
Bäckström, P J E
Swed. drama 839.7266
Backward children
education 371.9
special classes for educ. 371.25
Backwardation stock &
commodity exchanges 332.64
Backwell's Leicester sheep
(Bovidae) dom. anim. 636.3212
Backyard gardens lands. art 712.6247
Bacon
Francis English essays 824.3
philosophy 192.1
Bacon
breeds of swine (Suidae)
domestic animals 636.4132
county, Ga history 975.8787
Bacon's rebellion, 1676
Virginia history 975.502
Baconian theory
Shakespeariana 822.33
Bacteria
agricultural pests 632.3
and blood physiology 612.118223
chemic technology 663.1
fertilizers 631.8472
soil forest ecology 634.9472772
Bacteriaceae botany 589.953
Bacterial
diseases apiculture 638.1543
pathol. bot. 581.2322
fermentation, intestinal
physiology 612.33631
Bacteriales botany 589.95
Bacteriology
agricultural soil 631.46
agronomy 630.28995
botany 589.95
medicine 616.01
of stomach physiol. 612.3263
salivary " 612.31363
Bacteriopurpurin
in photosynthesis
physiologic botany 581.13342
secretion botany 581.14446
Bactria history, ancient 939.64
[4] **Bactrian, old, language 491.52**
Bad Lands, Neb history 978.299
Baddeck, NS history 971.693
Baden " 943.46
Badger baiting recrea. 791.8
(Melinae) mammal. 599.744474
Mts, Wash hist. 979.731
state (Wis) " 977.5

Badges, adver. on business 659.137
heraldry 929.8
mil. decorations 355.134
Badminton sports 796.34
Baffa history 966.63
Baffin Sea " 998
Bag punching sports 796.34
Bagamoyo history 967.83
Bagatel recreation 794.7
Bagdad history 956.7
Eur. w. 940.4333
Baggage
car factories archi. 725.454
carriers mot. veh. equip. 629.2743
equipment mfg **685.51**
handling business 656
rates railways 385.13228
Baggesen, Jens Dan. poet. 839.81156
Bagging fabrics mfg 677.02864
see also special fibers
Baghirmi history 967.44
Bagot co., Que history 971.4525
Bagpipe wind instruments 788.9
Bags, carrying agric. 631.3731
traveling mfg 685.512
Bahama islands history 972.96
Bahmani archi. styles **723.34**
Bahr-el-Ghazal River hist. 962.9
Baïf, J A de Fr. poetry 841.36
Lazare de " drama 842.32
Bail criminal law 343
Bailiffs local gov't 352.2
Bailleul Eur. w., 1918, Ap. 940.4342
Aug. 940.4356
Baillie, Joanna Eng. drama 822.71
Bailment private law 347.4
Bain system, automatic
telegraphy 621.38241
Bainbridge Island, Wash
history 979.776
Baine co., Ala history 976.167
Baja California, Mex hist. 972.2
Bakakwakwa history 968.956
Bakatla district history 968.15
Bakelite
engineering material 620.196
radio insulating " 621.38417910196
Baker co., Ala history 976.181
Fla " 975.913
Ga " 975.8967
Ore " **979.575**
Mt, Wash descr. 917.9773
Bakers' occupation hyg. 613.64
Bakhuizen van den Brink, R C
Dutch essays 839.31452
Bakhunu history 966.22
Bakies, Scotch (Gallinae)
agriculture 636.528
Baking
cookery 641.71
powder adulterations 614.315
chem. tech. 664.6
process ceramics 738.14
electric eng. 621.318
sculpture 731.47
Bakonde history **968.9581**
Bakongo district
Bel. Kongo history 967.51
Fr. " " 967.26
Bakonyer swine (Suidae)
domestic animals 636.432
Bakota history 967.27
Bakunyi " 967.25
Bakwakwa " 968.956
Bakwe " 966.683
Bakwena district history 968.16
Balaenoidea mammalogy 599.51
Balalaika music 787.9
Balance
archi. elevations 729.13
plans 729.23
bridge engineering 624.35
drawing composition 741.432
frame cultivator farming 631.3163
landscape art 712.25
mechanics 531.81
of power int'l rela. 327
polit. theory 320.157
trade theory
polit. econ. 330.151
sense physiology **612.886**
psychology **152.6736**
Balancers electric eng. 621.31327
Balances metrology 389
office fittings 651.4654
prac. chemistry 542.32
Balance-wheels clockwork 681.1124
Balancing
athletics 796.43
devices aircraft 629.13516
mass & thrust
steam turbines 621.16536-37
running gear
railroad eng. 625.21
shipbuilding 623.87
Balanitoideae (Zygophyl-
laceae) botany 583.221
Balanophorineae botany 583.947
Balanopsidales " 583.961

Balata
latex forest products 634.9865
see also Resins and gums
products manufactures 678
Balbo, Cesare It. essays 854.74
Balbóa, V N de Amer. hist. 973.16
Balconies
archi. constr'n 721.866
design 729.3866
city planning 711.725
sleeping dom. econ. 643.57
furnishing 645.67
Balcony
furnishing dom. econ. 645.8
gardens lands. art 716.4
Bald
cypresses (Taxodiaceae)
botany 585.211
Mts, Tenn descr. 917.6891
Peak, Neb hist. 978.298
Baldachins architecture 729.934
Baldi, Bernardino It. poet. 851.47
Baldness pathology 616.54
Baldwin of Flanders
Crusades 940.184
Baldwin co., Ala history 976.121
Ga " 975.857
Bale, John Eng. drama 822.23
Balearic islands history 946.7
Balers agric. tools 631.3642
Bali language 499.223
Baling crops agriculture 631.5642
Balint grape viticulture 634.85439
Balize history 972.82
Balkan
campaign, 1914 Eur. w. 940.4227–ℰ
states history 949.6
Balkh history, anc. 939.64
Ball
and socket anatomy 611.72963
bearings mech. eng. 621.822
strength of 620.11284
games, indoor sports 794.7
outdoor " 796.3
planting forest nursery 634.95646
playing school hyg. 371.74–.75
Ballads literature, Amer. 811.04
Eng. 821.04
other —104
popular folklore 398.8
rhetoric 808.14
vocal music 784.3–.4
Ballard co., Ky history 976.996
Ballast aircraft equip. 629.1358
railway eng. 625.14
Ballers farm machinery 631.3361
Ballet ethics 175.2
music form 781.50853
Ballet (cont.)
shorthand 653.19
theater 792.8
Ballie callie sports 796.31
Balling textile process 677.02822
see also special fibers
Ballistics military eng. 623.5
Ballonets aircraft constr'n 629.134322
Balloon antennas radio 621.3841357
Ballooning aeronautics 629.13322
military eng. 623.741
radio in eng. 621.3841914
Balloons children's toys 796.15
mil. tactics 355.424
use in adver. 659.135
Ballot
Australian suffrage 324.256
counting " 324.261
miscounting
electoral frauds 324.275
short suffrage 324.216
suffrage 324.25
see also Vote
Balloting
absent suffrage 324.247
legis. procedure 328.375
mail suffrage 324.247
open " 324.244
place " 324.246
second " 324.248
secret " 324.245
Ballroom furnishing
domestic economy 645.69
Ballrooms architecture 725.866
Ball's Bluff, Va, battle, 1861
US Civil war 973.7318
Balls, artillery ordn. 623.45111
domestic econ. 642.43
ethics 175.3
recreation 793.38
small arms ordn. 623.4551
Balm (Labiatae) botany 583.891
Balms & gums field crop 633.816
Balsam
fig (Guttiferaceae) bot. 583.163
tree (Burseraceae) " 583.247
weed (Balsaminaceae) " 583.226
Balsameaceae (Burseraceae)
botany 583.247
Balsamiaceae botany 589.231
Balsaminaceae " 583.226
Baltic languages 491.9
sea physiography 551.461
states Rus. history 947.4
Baltimore
city, Md history 975.26
riot, 1861
US Civil war 973.7313
co., Md history 975.271

Baluchi language 491.591
Baluchistan history 958.8
Balustrades
carved archi. dec. 729.5952
landscape structures 717.83
painted archi. dec. 729.4952
stair design 729.392
wall constr'n 721.263
Balzac, Honoré de Fr. fict. 843.73
Bamangwato district hist. 968.11–.14
Bamber process phot. 778.66
Bamberg co., SC history 975.778
Bamboo
(Bambuseae) fiber crops 633.587
products textile indus. 677.545
Bambuk history 966.37
Bambuseae botany 584.938
grass crops 633.289
Bampton
lectures apologetics 239.01
nolts (Bovidae) dom. anim. 636.3217
Bamun history 967.15
Banana
fibers (Musaceae)
cordage mfg 677.71
field crops 633.571
(Musaceae) fruitculture 634.772–.773
Banat history 943.91
Band instruments music 788
irons plumbing 696.7
Banda history 967.42
Bandages surgery 617.93
therapeutics 615.813
Bandello, Matteo It. fict. 853.32
Banditry criminal law 343
[1] **Banditti biog.** 923.41
Bands, military music 785.13
prison sociology 365.665
school student life 371.89
Bandstands city planning 711.669
landscape art 717.682
Bandy ice sports 796.96
sports 796.355
Banff, Scotland history 941.24
Bangai history 968.11
Bangala " 967.54
Bangiales botany 589.42
Bangkok history 959.3
Bangorian controversy
sectarian history 283.42
Bangs, J K American wit 817.48
Bangwaketse district hist. 968.17
Bangwenlu (Bangweolo)
Lake description 916.8965
Banishment criminal law 343.2
Banjo music 787.7
Bank
admin. fin. econ. 332.17
charters " " 332.17
checks " " 332.76
credits " " 332.7
deposits " " 332.17
public gov't income 336.15
note engr. fine arts 768.8
notes fin. econ. 332.53
of England " " 332.110942
the US dissolution 973.56
establishment 973.41
fin. econ. 332.110973
reserves " " 332.17
Bankers 332.1069
[1] biography 923.3
Banking
by mail postal service 383.3
financial econ. 332.1
[1] **foreign fin. econ.** 332.15
indicators aircraft 629.13516
Bankruptcy
financial econ. 332.75
law jurispr. 347.7
municipal pub. admin. 352.1
public credit 336.368
suffrage limit. 324.172
Banks co., Ga history 975.814
Banks
admin. regulation 351.825
agric. fin. econ. 332.311
and banking
cooperative econ. 334.2
private law 347.7
architecture 725.24
central fin. econ. 332.11
city planning 711.662
fin. economics 332.1
savings fin. econ. 332.2
schools 371.673322
Banner co., Neb history 978.2975
Bannerets roof constr'n 721.562
Banners, adver. on bus. 659.137
ecclesiology 247.9
floral anatomy 581.4632432
heraldry 929.9
Bannock co., Ida history 979.647
Banquets dom. economy 642.45
soc. customs 394.1
student life 371.89
Banshu history 952.1935
Bantams (Gallinae) agric. 636.587[1]

Banting hygiene 613.24
Bantu languages 496.3
Banville, T F de Fr. poet. 841.83
Banyan (Moraceae) botany 583.9622
Banyo history 967.16
Baol " 966.32
Baoulé " 966.683
Bapaume
Eur. w., 1917 940.4314
1918, air raids 940.448
Mar. 940.4341
Aug. 940.4353-4
Baptism Christology 232.951
sacraments 265.1
Baptismal
fonts architecture 729.913
regeneration soteriol. 234.4
Baptisms, registers of
genealogy 929.3
Baptist church **286**
Baptistries architecture 726.43
in ch. archi. 726.596
Baptistry ecclesiology 247.1
Baptists, persecution of
by Puritans ch. hist. 272.8
Bar ass'ns jurisprudence **347.062**
legal law **340**
Baraga co., Mich history 977.497
Baranovichi Eur. war 940.4277
Barataria Bay, La. hist. 976.338
Barb
horses (Equidae) dom. anim. 636.11
pigeons (Columbae) agric. 636.59614
Barbados
history 972.98
cherry (Malpighiaceae)
botany 583.214
gooseberry (Cactaceae)
fruitculture 634.7757
Barbarea (Brassicaceae)
garden crops 635.564
Barbarian invasions
European hist. 940.11
anc. **936**
Roman history 937.09
Barbarin sheep (Bovidae)
domestic animals 636.3469
Barbarino, Andrea da It. fict. 853.24
Barbarism vs church theol. 261.3
Barbarisms English lang. 428.3
[3] other " —83
Barbarities, *see* Cruelty
Barbarousness war customs 399
Barbary
states history **961**
wars, 1801-05 US hist. 973.47
1815 " " 973.53
Barbecue stands archi. 725.71
Barbecuing cookery 641.76
Barbed
headed worm
(Acanthocephala) zool. 595.133
wire manufactures 672
Barbells athletics 796.41
Barber co., Kan history **978.182**
shops dom. econ. 646.7
Barbera grape vitic. 634.8545
Barberini vase pottery 738.38
Barberino, Francesco da
Italian fiction 853.12
Barberry (Berberidaceae)
fruitculture 634.746
Barbers toilet 391.5
Barberton history 968.25
Barbet mounts ordnance 623.4332
(Picidae) ornithol. 598.72
Barbettes shipbuilding 623.9
Barbeyaceae botany 583.9626
Barbézieux fowls (Gallinae)
agriculture 636.544
Barbier, H A French wit 847.72
Barbizon history 944.37
school painting 759.437
Barbotine dec. ceramics 738.15
Barbour, John Eng. poetry 821.16
Barbour co., Ala history 976.132
WVa " 975.459
Barca history 961.4
Barcelona " 946.7
Barclay, Alexander Eng. wit 827.21
Bards musicians 780.0712
see also Minstrelsy
Barebones parliament
English history 942.064
Baretti, G M A Italian wit 857.65
Bargain
catalogs, use of
office economy **651.46**
sales advertizing 659.16
Bargaining
labor economics 331.116
power and wages
labor economics 331.215
schedules tariff treaties 337.91
Barge canals commerce 386.48
Bargeboards roof constr'n 721.565

Barges shipbuilding 623.829
Barging logging 634.982547
Bari history 945.75
Barita
coating photography 770.2813
phot. chemistry 771.528
water painting medium 751.244
Barium chemistry 546.43
Bark
books rarities 096.2
forest products 634.985
growth physiol. botany 581.134323
landscape art 715.1743
shipbuilding 623.829
veget. morphology 581.477
Bark-blazers silviculture 634.954
Barkeepers manuals
chem. tech. 663.8
Barker's mill
hydraulic turbines 621.243
Barkers advertizing 659.14
Bark-gages silviculture 634.954
Bark-grafting agric. 631.54136
prot'n 632.8
Barkly East history 968.773
West " 968.783
Barley (Hordeae)
brewing technology 663.3
field crops 633.16
Barlin history 966.61
Barlow, Joel Amer. poetry 811.23
Barnacles (Cirripedia) zool. 595.35
Barns architecture 728.95
farm economics 631.22
landscape art 717.65
Barnstable co., Mass hist. 974.49
Barnwell co., SC history 975.776
Baroda history 954.7
Barographs aircraft equip. 629.13514
Barolong tribe history 968.18
Barometers aircraft equip. 629.13514
phot. fine arts 778.8
physics 533.4
Barometric
leveling geodesy 526.37
pressure
aeronautics 629.13244
and respiration physiol. 612.2232
effect of " 612.27
mesology 612.01441
radio transmission 621.38411554
veget. ecology 581.5424
Barometry meteorology 551.53–.54
Baron, Michel Boyron, *called*
French drama 842.48
Baronage & baronetage 929.7
see also Peerage, nobility, etc.
Baron-court English law 347.99
Barons' war, 1262–64
Eng. hist. 942.034
Baroque
[1] **architecture 724.199**
revival 724.5993
designs fine arts 745.44
furn., Fr. " " 749.243
sculpture " " 735.21992
Barotseland history 968.951
Barrack life hygiene 613.67
Barracks architecture 725.182
military eng. 623.612
estab. 355.71
type prison bldgs 365.53
Barrages river engineering 627.1
Barrel
factories architecture 725.443
movements clockwork 681.1121
organ manufactures 681.821
music 789.7
roofs archi. constr'n 721.597
vaults arched " 721.455
Barrels
manufactures 674
metrology 389
packing
agric. appliances 631.3644
in agric. opera. 631.5644
Barren co., Ky history 976.972
Barrens, Ala history 976.196
Ky " 976.96
Barricades military eng. 623.15
Barrier forts mil. eng. 623.134
sci. 355.45
Barriers floristics 581.5275
Barrili, A G It. fict. 853.82
Barron co., Wis history 977.518
Barrooms architecture 725.72
Barrow co., Ga history 975.8195
Barrows archeology 571.92
hand- agric. 631.3731
ordnance 623.4363
wheel- agric. 631.3734
Barry co., Mich history 977.416
Mo " 977.876
grape viticulture 634.84709
Bars
city planning 711.662
door & window constr'n 721.88
fixed furniture 729.94
horizontal athletics 796.44
river engineering 627.1
strength of eng. 620.11282
Bartending ethics 178.4

Barter commerce sociol. 380.18
zootechny 636.08113
Barthelemy, A M Fr. wit 847.71
Bartholin, Caspar Dan. lit. 839.8183
Thomas " " 839.8183
Bartholin, glands of
anatomy 611.677
physiology 612.494
Bartholomew, St, massacre
church history 272.4
Bartholomew
co., Ind. history 977.224
fair soc. customs 394.609421
Bartizans architecture 725.977
Bartlesville, Okla hist. 976.6961
Bartlett gaslight printing
process photography 772.45
Bartoli, Daniello It. essays 854.53
Barton co., Kan history 978.152
Mo " 977.871
Bartow co., Ga " 975.8365
Bartramiineae botany 588.21412
Baruch
Apocalypse of
pseudepigrapha 229.913
Apocrypha 229.5
Epistle of pseudepigrapha 229.913
Barypoda mammalogy 599.615
paleozoology 569.615
[4] **Bas Breton language** 491.68
Basal ganglions anat. 611.8132
Basalt petrology 552.28
Bascule bridges eng. 624.82
Base
line geodesy 526.24
measures, adjustment of
geodesy 526.57
measuring apparatus
adjustments of geod. 526.23
measuring geodesy 526.2
Baseball fields lands. art 712.547632
gloves mfg 685.433
ice sports 796.96
school hygiene 371.74–.75
songs music 784.68796357
sports 796.357
Basellaceae botany 583.1562
Basement walls
archi. constr'n 721.291
Bases archi. design 729.315
chem., theoretic 541.4
columnar constr'n 721.38
military strategy 355.43
qualitative anal. 544.12
wall constr'n 721.25
Bashan history, ancient 939.46
Bashfulness ethics 179.9
Bashona history 968.12
Basic English philology 428.25
Basidiales botany 589.21
Basidiobolineae " 589.284
Basidiolichenes " 589.11
Basidiomycetes " 589.21
Basidiosporeae " 589.22
Basilar
artery anatomy 611.1349
phalanges, manual anat. 611.71791
pedal " 611.71891
Basilic veins anatomy 611.145462
Basilican code law 349.372
Basilicas archi., church 726.52
Roman 722.7
Basilicata history 945.77
Basilidianism heresies 273.1
Basilisk (Lacertilia)
herpetol. 598.11
legends 398.4
Basin docks shipbuilding 623.83
section, Ala hist. 976.175
Basins
aeronautic research 629.130724
artificial lands. art 714.33
city planning 711.68
harbor " 711.763
physiography 551.43
Basis pedunculi anatomy 611.81542
Basket
fibers field crops 633.58
textile mfg 677.543
handle arches
archi. constr'n 721.423
Basketball school hygiene 371.74–.75
sports 796.32
Basketry archeology 571.53
arts & crafts 745.58
elem. education 372.55
Baskets
aircraft constr'n 629.13434
carrying agric. 631.3731
office fittings 651.4656
packing
agric. appliances 631.3644
in agric. opera. 631.5644
Basle history 949.4
Basque
[4] **language** 491.69
provinces, France hist. 944.79
Spain " 946.6
sheep (Bovidae)
dom. anim. 636.3461

Basra Eur. w., 1914 940.4231
1915 940.4261
1916 940.4293
history 956.7
Bas-relief prints phot. 770.2847
reliefs, photo- f. arts 777.7
sculpture 731.54
Bass (Acanthopterigii)
ichthyology 597.58
Bass
clarinet wood instr. 788.6
double- music " 787.41
figured music 781.3
horn brass instrument 788.48
Bassa, Liberia history 966.63
Nigeria " 966.97
Bassam history 966.681
Bassarisk (Procyonidae)
mammalogy 599.74443
Basses-Alpes history 944.95
Pyrénées " 944.79
Basse-taille enamel
ceramics 738.44
Basset-horn wood instr. 788.6
Bassoon " " 788.8
Basswood (Liliaceae)
forestry 634.9727
Bast
cordage manufactures 677.71
fibers textile mfg 677.542
field crops **633.5**
forest products 634.9858
veget. morphology 581.4134
Bastard
bullet tree (Humiriaceae)
botany 583.213
hemp (Datiscaceae) bot. 583.469
rosewood (Meliaceae) " 583.251
Bastardo grape vitic. 634.85469
Bastardy private law 347.6
Bastile French prison 365.944
Bastions fortifications 623.116
Basutoland history 968.61
Bat (Chiroptera) mammal. 599.4
games sports 796.357–.358
Batatas (Convolvulaceae)
garden crops 635.22
Batavia, Java history 992.2
syst. educ. meth. 371.394
twill mfg 677.02864
see also special fibers
Batawana history 968.11
Bateke " 967.26
Bates co., Mo history 977.843
Bath
co., Ky history 976.9555
Va " 975.587
heaters prac. chem. 542.46
order of the heraldry 929.71
sanitariums sociol. 362.13
Bathing
customs 391.6
domestic economy 646.7
school hygiene 371.735
sports **797.2**
structures lands. art 717.687
suits dom. econ. **646.47**
see also Swimming
Bathoem's country hist. 968.17
Bathroom furnishing
domestic economy 645.68
Bathrooms domestic economy 643.52
Baths
and temperature physiol. 612.541
antipyretic therap. 615.75
architecture **725.73**
indus. 658.239
devel., preparation phot. 770.2834
utensils " 771.43
dye sensitizing
phot. chem., color 771.5342
hydrotherapy 615.853
hygiene **613.41**
medicated therap. 615.67
nutritive hygiene 613.23
photographic f. arts **771.54**
prac. chemistry 542.46
recovery of photography 770.287
Bathurst, Cape Colony hist. 968.758
Gambia " 966.51
Batidales botany 583.916
Batik fancywork 746.6
Batiste manufactures 677.02864
see also special fibers
Batletli history 968.12
Batoka " 968.953
Baton Rouge
district, La. hist. **976.31**
East, parish, La. hist. **976.318**
La. history 976.3181
West, parish, La. hist. 976.345
Batonga history 968.953
Batrachia herpetology **597.6**
paleozoology **567.6**
[4] **Battak language** **499.226**
Battalion military sci. 355.31
Batten doors archi. constr'n 721.837

Battens door constr'n 721.838
Batter wall construction 721.25
Batteries
advancing military eng. 623.23
breaching " " 623.25
electric
aircraft 629.1354
mot. veh. ignition 629.2544
physics 537.86
secondary physics 537.84
see also Accumulators
floating naval eng. 623.9
local telephony 621.38696
ordnance 623.4
Battering-ram war customs 399
Battersea, London history 942.16
Battery
carriages ordnance 623.4316
switchboards telephony 621.38722–26
system telephony 621.38542–46
tools military eng. 623.461
Battle
Creek, Mich hist. 977.422
cries war customs 399
formations mil. sci. 355.53
life " " 355.12
of the styles archi. 724.4
paintings fine arts 756
tactics military sci. 355.422
wager of legal antiq. 340.3
Battledore and shuttlecock
sports 796.26
Battleflag day
social customs 394.268
US Civ. war anniversary 973.763
Battlement national forest
Colo. description 917.8817
Battles military science 355.48
see also names of individual wars, campaigns and battles
Battleships shipbuilding 623.825
Bauchi history 966.98
Baudan process photography 778.65
Baude, Henri Fr. poetry 841.24
Baudot syst. telegraphy 621.38255
Baueroideae (Saxifragaceae)
botany 583.381
Bauhinia (Caesalpiniaceae)
fiber textile mfg 677.15
Baule history 966.683
Baunscheidtism therap. 615.814
Bauxite geol., economic 553.49
metallurgy 669.7
Bavaria history 943.3
Rhenish history 943.43
Bavarian
sheep (Bovidae) dom. anim. 636.3333
swine (Suidae) " " 636.431
Baxter co., Ark history 976.721
Bay
co., Fla history 975.995
Mich " 977.447
design church archi. 726.594
of Bengal physiography 551.467
ports commerce 387.122
shooting bird hunting 799.243
state (Mass) history 974.4
windows archi. constr'n 721.845
design 729.3845
Bayard process phot. 772.12
Bayberry (Myricaceae)
fruitculture 634.663
Bayeux history 944.22
tapestry fancywork 746.3
Bayfield co., Wis hist. 977.513
Bayonet hoe farming 631.3151
ordnance 623.4443
weapons 399
Bayou state (Miss.) hist. 976.2
Bays city planning 711.763
hydrography 526.99
landscape art 714.26
Beach grape viticulture 634.8436
Beaches
formation of geology 551.36
landscape art 714.26
Beacon grape viticulture 634.845509
Beacons
aerial architecture 725.39
architecture 725.976
cemetery architecture 726.87
harbor engineering 627.9
radio in navigation 621.38419134
Beaconsfield, B D Eng. fict. 823.86
Bead money numismatics 737.42
tree (Meliaceae) bot. 583.251
trimmings mfg 677.76
Beads
archeology 571.74
blowpiping prac. chem. 542.52
costume ornaments 391.7
devotional eccles. 247.9
Beadwork fancywork 746.5
Beakers prac. chemistry 542.231
Beam
and scales metrology 389
antennas radio 621.38413555
modifiers
mot. veh. lighting 629.2713
system radio 621.3841573

Beams
building industry 694
deflections of
bridge engineering 624.2011282
solid bridge eng. 624.22
strength of engineering 620.11282
Bean
buck- (Menyanthaceae)
botany 583.751
caper (Zygophyllaceae)
botany 583.221
(Fabaceae) field crops 633.3
garden " 635.65
family (Leguminaceae)
fruitculture 634.46
harvesters agriculture 631.3583
harvesting " 631.5563
shellers agric. tools 631.3614
velvet- (Fabaceae)
field crops 633.363
Bean-bags games 796.25
Bear
Lake co., Ida history 979.644
markets stock & commodity exchanges 332.64
River Range, Ida hist. 979.644
state (Ark) history 976.7
Bearbaiting soc. customs 394.2
Beards toilet 391.5
Beargrass reg., Ky hist. 976.944
Bearing
metals mot. veh. materials 629.23228
springs railway eng. 625.21
Bearings clockwork 681.1125
mechanical eng. 621.822
mot. veh. wheels 629.2484
steam turbines 621.16539
Béarn history 944.79
Béarnaise
sheep (Bovidae) dom. anim. 636.3462
swine (Suidae) " " 636.445
Bears (Ursidae) mammal. 599.74446
wrestling recrea. 791.8
Beasts agriculture 636
mammalogy 599
Beat
notes radio measurements 621.38417128
reception syst. radio 621.3841537
Beaters textile equip. 677.02851
Beating
ironwork, ornamental 739.45
metal arts 739.15
textile process 677.02821
see also special fibers
Beatitudes Bible 226.2
Beatrice, Neb history 978.2287
Beats radio circuits 621.384127
Beauce co., Que history 971.471
Beaucourt Eur. w., 1916 940.4272
1918 940.4353
Beaufort co., NC hist. 975.6186
SC " 975.799
Fort " 968.761
West " 968.741
Beauharnois co., Que hist. 971.432
Beaumarchais, P A C de
Fr. drama 842.58
Beaumont, Francis
Eng. drama 822.35
Beauregard parish, La. hist. 976.359
Beaus ethics 177.6
Beauty esthetics 701.17
see also specific subj.
ontology 111.85
parlors dom. econ. 646.7
psychol. of emotions 157.12
Beaver co., Okla history 976.614
Pa " 974.892
state (Ore) " 979.5
Beaverhead Mts, Ida hist. 979.678
Beaverteen cotton mfg 677.2164
Beccaria, C B It. essays 854.65
Beccuti, Francesco It. wit 857.42
Bechterev's meth.
comp. psychol. 151.3072587
Bechuanaland, Brit. hist. 968.785
history 968.1
Becker co., Minn history 977.684
Beckham co., Okla " 976.643
Becquerel
color process phot. 778.63
rays, effect of mesology 612.014482
photography 771.5345
physics 539.7
see also X-rays
Bedbugs (Heteroptera)
domestic pests 648.7
pathology 616.9681
Bedding zootechny 636.0832
Bedford, Cape Colony hist. 968.763
co., Eng. " 942.565
Pa " 974.871
Tenn " 976.858
Va " 975.5675
Bedouin sheep (Bovidae)
domestic animals 636.385
Bedouins history 953
" language of 493.53
Bedroom furnishing
domestic economy 645.67

Beds
artistic furniture 749.36
domestic economy 645.67
folding manufactures 685.533
garden composition 712.6243
geology, economic 553.14
herbaceous lands. art 716.163
hygiene of dwellings 613.591
plants for floric. 635.962
Bedspreads manufactures 677.62
Bee
attracting plants
landscape art 715.1757
culture agriculture 638.14
diseases apiculture 638.152–.154
gardens " 638.1112
habits " 638.1215
houses " 638.1119
injuries " 638.152–.154
keeping " 638.1
products
apicultural nat. hist. 638.1216
apiculture 638.16–.17
year apic. management 638.1416
seasonal habits 638.12154
Beebread apic. food 638.12153
nat. hist. 638.1216
Beech (Fagaceae) forestry 634.9725
Beechdrops (Orobanchaceae)
botany 583.821
Beecher
H E (Mrs Stowe)
Amer. fict. 813.37
H W American oratory 815.36
Beechey dryplate emulsion
process photography 772.15
Beef
and dairy cattle (Bovidae)
Belgian & Fr.
dom. anim. 636.246
Dan., Dutch & Ger.
dom. anim. 636.236
English dom. anim. 636.226
Swiss " " 636.237
cattle (Bovidae)
American dom. anim. 636.282
Belgian & Fr.
dom. anim. 636.242
Dan., Dutch, Ger. &
Swiss dom. anim. 636.232
English " " 636.222–.223
cure therapeutics 615.854
domestic economy 641.362
production agriculture 636.2
economics 338.1762
Beefwood (Casuarinaceae)
botany 583.975
Bee-gum
apicultural nat. hist. 638.1216
plants apic. pasturage 638.1398
Beehive, *see* Hive
Bee-lice (Pupipara) entomol. 595.774
Beer brewing technology 663.4
cellars architecture 725.72
gardens lands. art 712.543
state inspection 614.344
temperance 178
Bees (Apidae)
agricultural pests 632.799
and plant fertiliza. apic. 638.19
apiculture 638.12
as nuisances apiculture 638.199
choice of " 638.1121
enemies of " 638.155–.157
feeding of " 638.1445
handling of " 638.1415
moving of apic. manage. 638.1418
nat. hist. of apic. 638.121
prevention of pillage by
apiculture 638.1471
protection of apiculture 638.159
races of honey " 638.122
transfer of " 638.1434
Beeswax **apic. products 638.17**
chem. technology 665.2
painting medium 751.245
Beet lifters agriculture 631.3584
Beetle fungi (Laboulbeniales)
botany 589.232
Beetles (Coleoptera)
agricultural pests 632.76
paleozoology 565.76
Beets. Nicolas Dutch essays 839.31454
Beets, (Chenopodiaceae)
garden greens 635.42
roots 635.11
root crops 633.41
sugar " 633.63
zootechny 636.08641
Beggar weed (Fabaceae)
field crops 633.365
Beggars charity 362.51
ethics 177.7
pauperism 339.14
Beggiatoaceae botany 589.952
Begging, pub. admin. control 351.763
Begharmeh history 967.44
Begoniineae botany 583.468
Beguinages architecture 726.75
Behaim, Martin Amer. hist. 973.11

Behavior
codes social customs 395
complex sociology 301.15
ethics 170
of animals physiology 612.821313
zoology 591.5
plants botany 581.5
Behaviorism psychology 150.1943
Behavioristic theory of
conception psychology 153.101943
memory " 154.01943
Beheading criminal law 343.2
Behemoth folklore 398.4
see also Hippopotamidae
Beheria history 962.11
Behistun
inscriptions philology 492.1917
Mountain history 955
Behn, Mrs Aphra (Amis)
English fiction 823.44
Behring, *see* Bering
Being
created & uncreated
ontology 111.7
nature of ontology 111
Beira, Mozambique hist. 967.97
Portugal " 946.93
Beispiele German wit 837.21
[1] **Beja language** 493.53
Bekker Wolff, Elizabeth
Dutch fiction 839.31341
Bel and the dragon
Apocrypha 229.6
Belcari, Feo It. drama 852.21
Belfast history 941.61
Belfort " 944.45
Belfries architecture 725.976
Belgian
draft horse (Equidae)
domestic animals 636.1548
Kongo history 967.5
Belgic confession theol. 238.42
Belgium
campaign, 1914 Eur. w. 940.4211–3
1915 " " 940.4241
1916 " " 940.4271
1917 " " 940.4311–3
1918 " " 940.434–.436
history 949.3
Belgrade Eur. w., 1914 940.4227
1915 940.4256
history 949.7
Belief
and grace soteriology 234.22
metaphysics 121
origin of relig. theol. 201.1
see also Faith
Beliefs
folklore 398.3
psychology of reasoning 153.663
Believers in Christ's
[1] **second appearing** 289.8
Belingwe history 968.9255
Belize " 972.82
Belknap co., NH " 974.245
Bell, Currer, *pseud.*
English fiction 823.81
Bell
book and candle
eccles. discipline 262.9
co., Ky history 976.912
diving hydraulic eng. 627
pneumatics 533.86
glasses agric. equip. 631.3441
prot'n 631.5441
floriculture 635.985
respiratory nerve of, *see* Phrenic nerve
shaped domes
arched constr'n 721.46
system education 371.41
towers architecture 725.976
Belladonna (Solanaceae)
mydriatics 615.784
pharmacy 615.32379
toxicology 615.98
see also Atropin
Belladonna-lily (Amaryllidaceae) botany 584.25
Bellamy, Jacobus
Dutch poet. 839.31146
Belleau, Remy Fr. poet. 841.33
wood Eur. w. 940.4344
Bellechasse co., Que hist. 971.473
Belles-lettres 800
Belleville, Ill history 977.389
Bellevue, Neb " 978.2257
Belligerents, rights of
law of war 341.3
Bellincinioideae botany 588.311
Bellingham, Wash history 979.7731
Bellman, K M Swed. poetry 839.7151
Bellows
blowpiping prac. chem. 542.53
cameras photography 771.314

Bellows (cont.)
gas compression 542.78
rarefaction 542.77
pneumatics 533.87
Bells
clockwork 681.1123
domestic economy 643.6
library equipment 022.94
locomotive eng. 621.139
mot. veh. equipment 629.2734
music instruments 789.5
office economy 651.26
signals 654.7
Bellwort (Campanulaceae)
botany 583.59
Belmont
city, Mo, battle 1861
US Civil war 973.751
co., O history 977.193
Beloit, Wis history 977.588
Belt
conveyers mech. eng. 621.8675
courses wall constr'n 721.25
equatorial astronomy 525.14
factories archi. 725.415
Belted cattle (Bovidae)
domestic animals 636.2354
Belting
for power transmission
indus. manage. 658.2621
mechanical engineering 621.852
Belton grape viticulture 634.846709
Beltrami co., Minn hist. 977.682
Belts
domestic economy 646.48
manufactures 685.2
safety aircraft equip. 629.1357
Bemba, Lake description 916.8965
Bembas State history 966.23
Bembo, Pietro It. poetry 851.31
Bemis Heights, NY, battles
American revolution 973.3333
Ben Hill co., Ga history 975.885
nut (Moringaceae) bot. 583.1222
Benadir Coast history 967.77
Benares history 954.2
Benches
cutting farming 631.335
fixed furniture 729.935
park city planning 711.68
school equipment 371.631
Bend, Ore history 979.5871
Bending
machines mech. tools 621.982
tests eng. materials 620.11244
Bends hydraulics 532.55
Benedetti, Francesco
Italian drama 852.67
Benedictine monks ch. hist. 271.1
Benediction sacramentals 264.9
Benedictus music 783.22
Benedix, J R German drama 832.81
[1] **Benefactors biography 923.6**
Beneficence ethics 177.7
Benefices cleric support 254
Beneficial consumption
wealth 339.43
Beneficiation ores min'g 622.7
Benefit
agencies for workmen econ. 331.25
income wealth appraisal 339.3
of clergy legal antiq. 340.3
societies admin. regula. 351.825
bldgs archi. 728.46
cooperative
polit. econ. 334.7
insur. bus. 368
lib. ass'ns 020.626
staf ass'ns 023.59
Benevento history 945.72
Benevolence ethics 177.7
Benevolent
instit. pub. charity 362
soc., cooperative
polit. econ. 334.7
pub. charity 361
Benewah co., Ida history 979.693
Benga Motaba history 967.28
Bengal
Bay of physiography 551.467
hemp (Fabaceae)
field crops 633.562
history 954.1
Bengali archi. styles 723.34
[1] **language 491.44**
Bengazi history 961.4
Benguela history 967.33
Benin history 966.93
Benincasa hispida (Cucurbitaceae) garden crops 635.618
Beni-Suef history 962.25
Benitiers architecture 729.913
Benivieni, Girolanio It. poet. 851.25
Benjamin (Styracaceae)
field crops 633.816
Bennettitales botany 585.92
paleobotany 561.592
Bennington
city, Vt, battle
Amer. revol. 973.3332
co., Vt history 974.38

Benserade, Isaac de Fr. wit 847.44
Bent co., Colo history 978.897
grass (Agrostideae)
field crops 633.23
Benthos veget. ecology 581.526323
Benton co., Ala history 976.163
Ark " 976.713
Ind " 977.297
Ia " 977.761
Minn " 977.667
Miss. " 976.289
Mo " 977.849
Ore " 979.534
Tenn " 976.833
Wash " 979.751
Benzene painting solvents 751.247
series org. chem. 547.26
Benzie co., Mich history 977.463
Benzoin (Styracaceae)
field crops 633.816
Benzol light chem. tech. 665.7
painting solvent 751.247
Beowulf Anglo-Saxon poem 829.3
Bequests private law 347.6
public income 336.18
Béranger, P J Fr. poetry 841.71
Berber
languages 493.3
sheep (Bovidae) dom. anim. 636.386
Sudan history 962.41
Berbera history 967.72
Berberidaceae botany 583.117
Berbers history 961
Berceo, Gonzalo de Sp. poet. 861.13
Berchet, Giovanni It. poet. 851.71
Berckmans grape viticulture 634.843209
Bereft public charity 362.6
Bergamasker sheep (Bovidae)
domestic animals 636.35
Bergamot
lime (Rutaceae) fruitc. 634.342
(Rutaceae) field crops 633.813
Bergen, city, Norway hist. 948.3
co., NJ " 974.921
Bergh, P T L H van den
Dutch drama 839.31252
Bergklint, Olof Swed. poet. 839.7147
Bergman, T O Swed. lit. 839.7848
Bergschlag swine (Suidae)
domestic animals 636.432
Bergson, Henri philosophy 194.9
Bergsonism philos. system 143
Bergville history 968.43
Beri-beri pathology 616.39
Berillium chemistry 546.45
processes phot. 772.82
Bering Sea
arbitration
1893 US history 973.87
treaty, 1892 int'l law 341.273
US hist. 973.86
history 979.8
Berkeley, Mrs Helen, *pseud.*
American drama 812.31
Berkeley, city, Calif. hist. 979.467
co., SC " 975.793
Berkley, George philosophy 192.3
Berkley co., WVa history 975.497
Berks co., Eng. history 942.29
Pa " 974.816
Berkshire
co., Mass history 974.41
knot sheep (Bovidae)
domestic animals 636.3232
swine (Suidae)
black dom. anim. 636.4261
red " " 636.4263
Berlandieri, vitis agric. 634.8441
Berlier syst. sewerage eng. 628.215
Berlin
congress of, 1878 int'l law 341.1
decree, 1806 law of war 341.3
Germany history 943.15
Ont " 971.345
Bermondsey, London history 942.16
Bermuda
grass (Chlorideae)
field crops 633.261
Hundred, Va, battle, 1864
US Civil war 973.7365
Bermudas history 972.99
Bern convention copyright 655.63
history 949.4
Bernadotte, J B Scan. hist. 948.07
Bernardines
Cistercians 271.12
relig. sisterhoods 271.97
Bernart de Ventadorn
Provençal poetry 849.125
Bernese cattle (Bovidae)
domestic animals 636.2373
Berrichonne sheep (Bovidae)
domestic animals 636.3441
Berrien co., Ga history 975.886
Mich " 977.411
Berries art anatomy 743.73
fruitculture 634.7
Berry, France history 944.55

Berscem (Fabaceae)
apicultural pasturage 638.136
field crops 633.32
Bersezio Vittorio It. drama 852.81
Berthier co., Que history 971.443
Bertholletia excelsa
(Lecythidaceae) nucic. 634.575
Bertillon system
anthropometry 573.6
criminology 364.334
Bertran de Born
Provençal poetry 849.126
Bertrand grape viticulture 634.8452
Berwick Bay, La. description 917.6341
history 941.455
Beskow, Bernhard von
Swedish drama 839.7262
Bessarabia Russian hist. 947.7
Bessel's
apparatus geodesy 526.22
deduction geod. formulas 526.47
determination of earth's
figure geodesy 526.15
functions calculus 517.35
Bessemer process
metallurgy 669.1
Bestiality psychology 132.7545
Beta
rays radioactivity 539.7
test psychology 151.22233
vulgaris (Chenopodiaceae)
garden greens 635.42
roots 635.11
root crops **633.41**
sugar " 633.63
Betel (Piperaceae) botany 583.9251
Betel-nut (Palmaceae)
use of hygiene 613.85
Bethal history 968.23
Bethany, SW Africa hist. 968.83
Bethel Church, Va, battle
1861 US Civil war 973.7313
Bethlehem
Orange Free State hist. 968.55
Palestine history 956.9
star-of-
(Liliaceae) botany 584.32
(Primulaceae) " 583.672
(Rubiaceae) " 583.52
Bethnal Green, London hist. 942.15
Bethulie history 968.59
Béthune, Conon de Fr. poet. 841.15
Beton, *see* Concrete
Betrayal by Judas Christol. 232.961
Betrothal customs 392.4
Betterment taxes pub. fin. 336.283
Betterments private law 347.2
Bettinelli, Saverio It. essays 854.61
Betting ethics 175.9
Betulaceae botany 583.978
Bevel gears mech. eng. 621.8332
Beverage antennas radio 621.38413554
Beverages
alcoholic temperance **178**
and nutrition physiol. 612.3931-2
chemic technology **663**
cookery 641.87
hygiene **613 3**
state inspection **614.34**
see also Drinks
Beyla history 966.56
Beyle, M H Fr. fiction 843.71
Bezique card games 795.41
Bezirke Ger. local gov't 352.04302
Bezoar stones therap. 615.89
Bhains cattle (Bovidae)
domestic animals 636.2932
Bhutan history 954.1
Bibb co., Ala history 976.182
Ga " **975.855**
Bibbiena, Bernardo Dovizi da
Italian drama 852.32
Bible
analyses religion 220.2
and key divination 133.323
science apologetics 239.8
annotations 220.7
NT 225.7
OT 221.7
chapter-and-verse div of 220.1
classes Sunday schools **268.43**
codices religion **220.4**
commentaries 220.6-.7
NT 225.7
OT 221.7
concordances religion 220.2
dictionaries " 220.3
English 220.52
NT 225.52
OT 221.52
hermeneutics 220.6
history of 220.09
NT 225.09
OT 221.09
in art 704.9484
pub schools educ. 377.1
interpretation 220.6-.7
NT 225.6-.7
OT 221.6-.7

Bible (cont.)
literary aspect of 220.88
Messiah Christology 232.11
polyglot **220.5**
readings pub. worship 264.3
religion **220**
science **220.85**
societies religion **206**
Spanish 220.56
special topics in **220.8**
study religion **220**
Y M C A 267.352
Sunday school use of 268.66
symbolism 220.6
typology 220.6
versions religion **220.4–.5**
Biblical animals 220.859
antiquities 220.93
OT 221.93
Apocrypha **229**
archeol. 220.93
antiq. 913.33
OT 221.93
biography 220.92
NT 225.92
OT 221.92
chronology 220.94
OT 221.94
geography 220.91
antiq. 911.33
OT 221.91
history 220.95
Jewish 933
OT 221.95
legends folklore 398.1
plants 220.858
pseudepigrapha **229**
sacrifices 220.93
OT 221.93
Bibliographers biography 920.1
Bibliography **010**
[1] **national** **015**
of bibliographies **016**
music fine arts **781.97**
Bibliomancy psychology 133.332
Bibliomania **010**
Bibliophiles biography 920.1
Bibliophily **010**
Bicameral legis. polit. sci. 328.392
Bicarpellatae botany **583.7–.8**
Biceps brachii anatomy 611.73721
femoris " 611.73827
Bichromate
colloid processes
photointaglio 777.1
photolithography 775.1
photorelief 777.2
processes photography **773**
solutions phot. chem. 771.548
Bicoecaceae botany 589.9746
Bicolor, vitis agric. 634.8453
Bicycle
engineering 629.2272
factories architecture 725.453
paths city planning 711.73
lands. constr'n 713.72
rinks architecture 725.863
room library bldg 022.687
Bicycling recreation 796.6
Bidatsu Jap. history 952.01363
Biddulphiaceae botany 589.6222
Bids bldg industry 692.4
buying methods 658.727
selling " 658.844
Biehl, C D Danish drama 839.81251
Biennial legis. polit. sci. 328.353
Biennials botany 582.113
floriculture **635.931**
Bienville parish, La. hist. 976.393
Big
Bend country, Wash. hist. **979.73**
state (Tenn) " **976.8**
Bethel, Va, battle, 1861
US Civil war 973.7313
black duck (Anseres)
agriculture 636.59782
Black Mt, Ky. descr. 917.69154
Blue River, Neb hist. **978.231**
Lake, Ark. description 917.6795
Sandy valley, Ky hist. **976.92**
Stone co., Minn " 977.643
Bigamy criminal law 343
ethics 173.2
Bigelow's ligament anatomy 611.7282
Bighorn Mt, Neb history 978.2975
Bignoniaceae botany 583.84
Bigotry ethics 179.8
Bi-gum printing phot. 773.122
Bijapûri archi. styles **723.34**
Bijns, Anna Dutch poetry 839.31122
Bijuja islands history 966.579
Bilderdijk, Willem
Dutch poet. 839.31151

Bile
and pancreatic juice
physiology 612.34251
ducts
anatomy 611.361
innervation of physiol. 612.3578
obliteration of " 612.35765
pathology 616.36
physiology 612.3577
pathology physiology 612.3576
physiology 612.357
with gastric juice
physiology 612.3226
Biliary
acids, origin of physiol. 612.35732
action in intestines " 612.3572
chemistry physiology 612.3571
excretion physiology 612.3577
fistulas " 612.35711
medicines therap. 615.742
pigments
origin of physiol. 612.35733
physiol. 612.35713
of urine 612.46667
secretion
and chemic substances
physiology 612.3574
physiology 612.3573
zoologic 591.148
substances, abnormal
physiology 612.35769
toxic effects physiol. 612.35767
Bilingual schools
educ. of foreigners 371.98
Bilious fever pathology 616.36
Bilirubin & biliverdin
physiology 612.35713
Bill
clerk legis. bodies 328.3623
drafting " procedure 328.373
heads office economy 651.715
of sale private law 347.3
posting advertizing 659.134
Billboard regula. adver. 659.134
Billboards city planning 711.68
Billeting military sci. 355.71
Bill-hook agriculture 631.3424
Billiard
room furnishing
domestic economy 645.69
saloons architecture 725.84
Billiards ethics 175.4
recreation 794.7
Billings, Josh, *pseud.*
American wit 817.46
Billon coinage metals 332.418
coins numismatics 737.42
Bills
and notes private law 347.7
contested legis. procedure 328.3744
legis., debates **328.374**
passage of 328.375
procedure **328.373**
reference to
committees 328.3742
of credit private law 347.7
exchange commer. law 347.7
fin. credit 332.77
lading bus. meth. 658.78825
mortality demography 312.2
pub. health **614.12**
special legis. procedure 328.376
thirty day " " 328.375
Bilocation spiritism 133.923
Biloxi, Miss. history 976.2131
Bimana mammalogy 599.9
Bimetalism fin. economics 332.423
Binaural system radio 621.384151
Binders
hay- agriculture 631.3532
office fittings 651.4652
radio insulating materials 621.38417913
road engineering 625.75
self- agriculture 631.3541
storage of
office records 651.545
temporary lib. admin. 025.7
Binding
grafts agriculture 631.5417
posts voltaic cells 621.3526
publishing 655.53
see also Bookbinding
Bindings rare books 095
Bindweed (Convolvulaceae)
botany 583.78
Binet-Simon tests psychol. 151.22222
Bingerville history 966.681
Bingham co., Ida history 979.651
Binghamton, NY history 974.776
Bingo, Japan history 952.1971
Binlipatam jute (Malvaceae)
field crops 633.563
Binocular
cameras photography 771.315
fusion & rivalry
physiology 612.843722
psychology 152.13722

Binoculars, *see* Field glasses, Microscopes, Telescopes
Binominal theorem algebra 512.4
Biochemistry biology 574.19
physiology 612.015
Biogenesis origin of life 576
Biogenetic reproduction
biology 574.16
botany 581.16
zoology 591.16
[1] **Biogeography 574.9**
Biographic
sermons homiletics 252.9
writings Anglo-Saxon lit. 829.9
Biographs photography 778.552
Biography 920
Biblical 220.92
NT 225.92
OT 221.92
national, of China 920.051
Dacia 920.03982
US 920.073
etc.
[1] **univ. & col. 378**
in other specific fields
[2] see subj. —092
Biologic
dendrology forestry 634.947
method criminology 364.3018
surveys aircraft service 629.138557
Biologists 574.069
biography 925.74
Biology 570
economic 574.6
of soil agric. 631.46
structural 574
Biomagnetism hypnotism 134.0162
Biometric
correlation of variation
botany 581.151243
meth. botanic research 580.7255
Biometry insur. business 368.3
Bion Greek lyric poetry 884.7
Biondi, Luigi It. drama 852.66
Bionomic influences
diff. psychology 136.2
Bionomics biology 575.3
botany 581.5
zoology 591.5
Biophysics 574.1
Bioplasm biology 576.2
Biopsychology 151.3
Bioscopes manufactures 681.134
photography 778.552
Biotypology personality 137.4
Biplanes aviation 629.1333432
Birch (Betulaceae) forestry 634.9726
West Indian (Burseraceae) botany 583.247
Birch-Pfcefer, Charlotte
German drama 832.74
Bird
attracting plants
landscape art 715.1757
baths landscape art 714.38
day school celebrations 371.365
grape viticulture 634.8486
houses architecture 728.945
lands. art 717.66
hunting sports 799.24
lice (Mallophaga)
entomol. 595.7514
sanctuaries nat. lands. 719.36
songs
instr. imitating mfg 681.825
music 781.95
ornithology 598.2
Birds (Aves)
agricultural aids 632.9682
pests 632.682
agriculture 636.5–.6
diseases of vet. med. 619.5–.6
divination 133.334
flight of
aerodynamics 629.13231
physiol. of locomotion 612.768
larynx of physiology 612.788
migration of anim. ecol. 591.52
of Asia ornithology 598.295
Chaldea " 598.29351
Wisconsin " 598.29775
etc.
paleozoology 568.2
protection of ethics 179.3
Birds-eye perspective
drawing 742.8
Birds-nest fungi (Nidulariineae botany 589.2218
Biribi games 795.3
Birmingham, Ala history 976.1781
Eng. " 942.48
Birth
control crime prevention 364.42
demography 312.1
ethics 173.3
eugenics 613.94
physiology 612.63
customs & manners 392.1

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Birth (cont.)
marks anatomy 611.012
surgery 617.3
obstetrics 618.4
place demography 312.9
rates " 312.1
[1] **public health** 614.11
zootechny 636.082456
Birthdays
customs & manners 392.1
pub. school observance 371.365
Births
multiple physiology 612.63
premature demography 312.1
registers of genealogy 929.3
registration of
demography 312.1
[1] **public health** 614.11
Birthwort (Aristolochiaceae)
botany 583.924
Bischarin sheep (Bovidae)
domestic animals 636.386
Biscuit ware ceramics 738.23
Bishops
addresses homiletics 252.1
biography 922
ecclesiastic polity 262.3
palaces architecture 726.92
Bishu (Kibi) history 952.1941
(Owari) " 952.1686
Bisitun Mountain history 955
Bismarck
archipelago Eur. w. 940.4239
history 993.6
North Dakota " 978.4
Bismarckburg, German East
Africa history 967.89
Bismuth chemistry 546.87
external medicines 615.776
internal " 615.735
processes phot. 772.74
Bismuthids mineralogy 549.3
Bison family (Bovidae)
domestic animals 636.292
Bissagos islands history 966.579
Bissandugu history 966.56
Bissell bogies railway eng. 625.21
Bisticci, Vespasiano da
Italian essays 854.23
Bisulca mammalogy 599.73
Bisutum Mountain history 955
Bitchu history 952.1944
Bithynia history, anc. 939.25
Bitlis history 956.6
Eur. w. 940.4292
Bitolj, *see* Monastir
Bittern (Herodiones)
ornithol. 598.34
Bitternut (Juglandaceae)
botany 583.9731
Bitterroot Range, Ida hist. 979.66
Bitters, digestive therap. 615.7341
pharmacy 615.337
Bittersweet
(Celastraceae) botany 583.272
(Pyrolaceae) " 583.631
(Solanaceae) " 583.79
Bitterwood (Simarubaceae)
botany 583.241
Bitumen
niepceotypes phot. 772.12
processes
photoengraving 777.1
photolithography 775.1
photorelief 777.2
sensitizers
photometalography 776.1
Bituminous
coal geology, econ. 553.24
shale " " 553.23
Bivalves (Lamellibranchiata)
fishery 639.4
paleozoology 564.1
Bivouac
formation mil. sci. 355.53
military tactics 355 412
Biwa, Lake description 915.21815
Bixaceae botany 583.138
Bizana history 968.642
Bizen " 952.1942
Björnson, Björnstjerne
Norwegian fiction 839.8236
Bjwe history 967.26
Black, animal
distillation 668.7
pigments 667.6
Black
belt, Ala history 976.14
bourse foreign exchange 332.45
calabash (Bignoniaceae)
botany 583.84
dot fungi (Melanconiales)
botany 589.243
duck (Anseres) agric. 636.59782
eagle grape viticulture 634.84709
Eng. draft horse (Equidae)
domestic animals 636.1523
Forest history 943.48
Friars Dominicans 271.2
fungi (Sphaeropsidales)
botany 589.242

Black (cont.)
grapes
Vitis vinifera, Amer. 634.849
Hawk War, 1832 US hist. 973.562
Hills, SD history 978.3
Wash " 979.779
huckleberry (Vacciniaceae)
fruitculture 634.732
line processes phot. 772.23
list labor disputes 331.8942
monks Benedictines 271.1
mosses (Andreaeaceae)
botany 588.22
Pine Mts, Ida. descr. 917.9639
planarians (Turbellaria)
zoology 595.123
Prairie belt, Miss. hist. 976.291
River, Ark history 976.72
Sea history 947.7
physiography 551.462
Sp. fowls (Gallinae) agric. 636.563
grape viticulture 634.8452
turkey (Gallinae) agric. 636.5927
walnut (Juglandaceae)
nuciculture 634.512
Welsh cattle (Bovidae)
domestic animals 636.2236
Blackberry (Rosaceae)
fruitculture 634.713
Blackbird co., Neb hist. 978.2227
Blackboard drawing f. arts 741.7
Blackboards educ. meth. 371.3355
school equip. 371.631
Sunday schools 268.241
Blackcaps (Rosaceae)
fruitculture 634.7112
Blackening, law of
phot. sensitometry 771.5345
Blackfaced sheep (Bovidae)
domestic animals 636.3252
Blackfoot Mts, Ida history 979.651
Blackford co., Ind history 977.268
Black-gum-tree (Cornaceae)
botany 583.497
Blackhawk co., Ia history 977.737
Blacking chemic tech. 667.8
Black-knot (Dothideaceae)
botany 589.2353
Blackmail criminal law 343
journalism 070.16
legis. abuses 328.367
Black-mold (Mucorineae)
botany 589.281
Blackout mil. maneuvers 355.58
Black-rot (Sphaeriaceales)
botany 589.2351
Blacksmith shops archi. 725.436
Blacksmithing trades 682
Blackwater state (Neb) hist. 978.2
Blad apple (Cactaceae)
fruitculture 634.7757
Bladder
anatomy 611.621
gall- anatomy 611.366
pathology 616.62
physiology 612.4671
swimming
anatomy 611.29
and locomotion
physiology 612.767
Bladder-algae
large (Valoniaceae) bot. 589.4736
little (Botrydiaceae) " 589.482
Bladdernut (Staphyleaceae)
botany 583.277
Bladderwort (Lentibulariaceae) botany 583.825
Blade leaf anatomy 581.49722
Bladen co., NC history 975.632
Bladensburg, Md, battle, 1814
US history 973.5238
Blaine co., Ida history 979.632
Neb " 978.277
Okla " 976.631
Blair co., Pa " 974.875
Blanc process photography 773.122
ramé grape vitic. 634.8544
Blanche, A T Swed. drama 839.7263
Blanching numismatics 737.44
Bland co., Va history 975.5765
Bland-Allison act, 1878
US history 973.83
Blandin, ganglion of anat. 611.89156
Blank
doors archi. constr'n 721.835
verse
prosody 416
English 426.6
[3] other lang. —66
rhetoric 808.1
windows archi. constr'n 721.845
Blanket ballot suffrage 324.254
Blankets manufactures 677.62
zootechny 636.08361
Blanks
legal law 340.2
literary labor-savers 029.2
office correspondence 651.72
supplies 651.4669
samples of office files 651.65
in other specific fields
[2] see subj. —083

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Blanquard-Evrard process
photography 772.12
Blantyre history 968.978
Blasco Ibâñez, Vicente
Spanish fiction 863.6
Blasphemy criminal law 343
ethics 179.5
Blast furnace
blowing engines 621.61
engineering works 621.76
gas engines 621.43413
metallurgy 669.8
practical chemistry 542.42
Blasting
explosives chem. tech. 662.2
mining 622.23
tillage 631.513
Blastocladiaceae (Monoblepharidineae) botany 589.263
Blastodiniidae botany 589.973232
Blastopore embryology 611.01334
Blastosporaceae botany 589.47432
Blastula embryology 611.013314
Blatterl grape viticulture 634.85436
Blattidae (Cursoria)
agricultural pests 632.722
Blauer Portugiesier grape viticulture 634.85436
Blaufrānkisch grape vitic. 634.85436
Blazers, bark- silviculture 634.954
Blazing-star (Eupatoriaceae)
botany 583.5544
Blazonry heraldry 929.8
Bleaching
agents phot. chemistry 771.546
chemic technology 667.1
materials econ. botany 581.6471
negatives treatment 770.2837
textile process 677.02827
see also special fibers
Bleach-out processes phot. 773.7
Bleckley co., Ga history 975.8525
Bledsoe co., Tenn " 976.876
Bleeding therapeutics 615.811
Blemishes of animals
zootechny 636.08115
Blepharoplasts veget. cytol. 581.873434
Blicher, S S Dan. fict. 839.81362
Blessed Virgin Mary, *see* Mary, Virgin
Blighted areas
city zoning 711.52
residential city zoning 711.586
Blights (Bacteria) botany 589.95
(Fungi) " 589.252
Blights agric. pests 632
floriculture 635.92
forestry 634.96
viticulture 634.82
Blimps aeronautics 629.13327
Blind
arches archi. constr'n 721.425
asylums architecture 725.54
childstudy 136.7611
doors
archi. constr'n 721.835
slatted archi. constr'n 721.837
dreams of psychology 135.3631
education of 371.911
fastenings
archi. constr'n 721.88
instit. for sociology 362.4
labor of economics 331.59
libraries for 027.663
music notation for 781.24
observation of born
physiol. of vision 612.84375
psychol. " " 152.1375
printing for typography 655.38
windows archi. constr'n 721.845
writing mach. for mfg 681.6131
Y M C A work with 267.369
Blindage military eng. 623.24
Blind-deaf, education of 371.913
Blindman's buff games 793.4
Blindness ophthalmology 617.7
physiology 612.845
psychology 152.15
see also Color blindness, Nyctalopia
Blinds
advertizing on bus. 659.137
architectural constr'n 721.873
domestic economy 645.3
movable use in adver. 659.136
photographic lighting 771.22
Blissus leucopterus (Heteroptera) agric. pests 632.754
Blister-beetles (Heteromera) agric. pests 632.767
see also Cantharides
Blistering agents therap. 615.774
Blizzards meteorology 551.55
Block
area vs street area
city planning 711.721
books book rarities 092
bldgs city planning 711.62
courses wall constr'n 721.274
interior playgrounds
landscape art 712.546

Block (cont.)
Island, RI history 974.58
pavements
reinforced eng. 625.87
stone " 625.82
wood " 625.83
process photorelief 777.2
vote suffrage 324.222
Blockade law of war 341.3
naval warfare 359.44
siege " 355.44
for specific blockades see nos. for individual wars
Blocking
courses wall constr'n 721.276
out phot. prints 770.2843
Blocks city planning 711.632
forest manage. 634.92833
mechanical eng. 621.862
patent printing 655.22
wood engraving 761.22
Bloemfontein history 968.51
Bloemhof " 968.29
Blois " 944.53
Blood
abnormal action on
respiration physiol. 612.284
agric. fertilizers 631.845
analysis diagnosis 616.0756
and
glandular syst. physiol. 612.402
muscular irritability
physiology 612.7416
spleen physiology 612.411
urinary secretion
physiology 612.4635
arterial physiology 612.113
biologic properties of 612.1182
chemic " " 612.12
color reaction of
physiology 612.121
cryoscopy of physiol. 612.11817
density " 612.121
effect on nerves physiol. 612.8164
flow of physiology 612.15
gas exchange between
tissues and physiol. 612.261
groups physiology 612.118
histology 611.0185
hounds (Canidae)
dom. anim. 636.75
in legal med. physiol. 612.118221
invertebrate, coloring
matter of physiol. 612.1118
letting therapeutics 615.811
Blood (cont.)
osmotic pressure of
physiology 612.11811
pathology 616.15
phys. properties of
physiology 612.1181
physiology 612.1
zoologic 591.11
poisoning
pathology 616.94
physiol. of
leucocytes 612.1126
red corpuscles 612.1114
pressure physiology 612.14
properties of physiol. 612.11
purification physiol. 612.23
quantity of
in organs physiol. 612.189
physiol. 612.116
reaction physiology 612.121
respiratory changes in 612.23
serum physiology of
nutrition 612.39812
sugar of physiol. 612.35212
temperature in nerve
centers physiol. of brain 612.8246
transfusion physiology 612.1163
therap. 615.65
varieties in body physiol. 612.1187
venous physiology 612.114
vessels
anatomy 611.1
and nerves physiol. 612.181
sympathetic syst.
physiol. 612.899
embryology 611.01368
viscosity of physiology 612.11814
Blood-formation, *see* Hematopoiesis
Bloodroot (Papaveraceae)
botany 583.1221
(Rosaceae) bot. 583.37
Bloodwort (Haemodoraceae)
botany 584.231
Bloody Assizes, 1685
English history 942.067
Bloomer costume sociol. 391.2
Blooming paintings 751.6
Bloomington, Ill history 977.359
Blotters, adver. on bus. 659.137
office supplies 651.4663
Blount co., Ala history 976.172
Tenn " 976.8885
Blowgun weapons 399

Blowing engines
engineering 621.6
gas rarefaction 542.77
Blowout valves
steam boilers 621.18479
Blowpiping
in rock anal. chemistry 543.6
mineralogy 549.1
prac. chemistry 542.53
qualitative analysis 544.3
quantitative " 545.4
Blue
and Gray state park
Kentucky history 976.977
books civil lists 351.2
school tests 371.27
coloring matter secretion
botany 581.14445
Earth co., Minn history 977.621
glass phototherapy 615.831
grape vitis aestivalis
agriculture 634.8451
grass (Festuceae)
field crops 633.21
region, Ky hist. 976.93
state (Ky) " 976.9
gray cattle (Bovidae)
domestic animals 636.2232
Hen state (Del) history 975.1
language universal lang. 408.9
laws, *see* Sunday laws
leaf grape viticulture 634.8453
Licks Battlefield state
parks, Ky history 976.9417
marl region, Ala hist 976.14
Mts history 979.57
northern, Wash hist. 979.746
Nile history 962.6
Ridge Mts., Ala hist. 976.16
Ga " 975.82
NC " 975.68
River area, Neb hist. 978.231
sky laws fin. economics 332.63
Spring Hills, Ida hist. 979.641
Swed. duck (Anseres)
agriculture 636.59723
Bluebell (Campanulaceae)
botany 583.59
Blueberries (Vacciniaceae)
fruitculture 634.73
Bluebottle (Carduaceae) bot. 583.5533
Blue-green algae (Schizophyceae) botany 589.8
Bündener swine (Suidae)
domestic animals 636.449
Blueprint processes phot. 772.22
Blueprints
and plans
in specific fields
[2] see subj. —00034
mechanical drawing 744.532
photographic copying 778.12
Bluestem (Andropogoneae)
botany 584.925
Bluet (Rubiaceae) botany 583.52
Bluff hills, Miss. hist. 976.22
Bluing laundry equip. 648.18
process 648.27
Blumauer, Aloys
German wit 837.62
Blunderbuss ordnance 623.441
Blunders English language 428.3
[3] other " —83
social customs 395
Blunt arches
architectural constr'n 721.422
Boar (Suidae) mammalogy 599.7344
Boarding houses
architecture 728.27
domestic economy 647.94
hygiene of dwellings 613.52
Boards
forest products 634.984
library administration 023.3
manufactures 674
of education, local 379.1534
health local gov't 352.4
pub. hygiene 614.061
sanitary eng. 628.061
school hygiene 371.711
trade architecture 725.255
reports of 381
see also Trustees
running mot. veh. 629.2674
Boat
bridges engineering 624.87
canals commerce 386.48
factories architecture 725.455
houses " 725.87
commer. archi. 725.34
motors
combustion engines 621.4385-6
racing school hygiene 371.75
Boatbuilding naval eng. 623.8
Boating
facilities lands. art 712.53
ice sports 796.97
sports 797.1
structures lands. art 717.687
Boats
commerce 387.2
flying aviation 629.133347

Boats (cont.)
military equipment 355.83
primitive shipbldg 623.821
ship outfit 623.86
stone- agric. transport 631.3733
use in adver. 659.135
Bobbin yarns mfg 677.02862
see also special fibers
Bobéchon games 793.75
Bobolink (Acromyodi)
ornithology 598.81
Bob-weight devices aircraft 629.13516
Boccaccio, Giovanni
Italian fiction 853.15
Bodegas architecture 725.72
Bodel, Jean French drama 842.13
Bodenstedt, F M Ger. poet. 831.84
Bode's law solar system 523.21
Bodleian library lib. econ. 027.742
Bodmer, J J German poetry 831.58
Bodonaceae botany 589.9746
Body
accessories
mot. veh. equip. 629.278
aircraft construction 629.13431
and self personality 153.72
astral spiritism 133.923
care of customs 391.6
hygiene 613.4
nursery 649.4
school hyg. 371.73
childstudy 136.71
composition
physiologic chem. 612.0152
cosmology 117
culture athletics 796.4
defects anatomy 611.012
hyg. of progeny 613.91
somatology 573.9
surgery 617.3
development physiol. 612.6
fluidic spiritism 133.923
human fine arts 704.942
lice (Pediculidae)
entomology 595.7512
measurements
anthropometry 573.6
motor vehicles 629.26
natural & spiritual
doctrinal theology 233.5
proportions art anatomy 743.41
temperature physiol. 612.56
Body-wall embryology 611.01364
Bödtcher, Ludwig Dan. poet. 839.81166
Bochl de Faber, Cecilia
Spanish fiction 863.53
Böhme philosophy 189.5
Boehmeria nivea (Urticaceae)
field crops 633.55
Boendale, Jan van Dutch lit. 839.3181
Boeotia history, anc. 938.4
Boer war history 968.2
Boerhavia (Nyctaginaceae)
botany 583.9153
Börjesson, Johan
Swed. drama 839.7261
Börk, I A Swed. drama 839.723
Boers history 968
Boethus Provençal poetry 849.111
Böttiger, K V Swed. poet. 839.7168
Bog gardens lands. art 712.626
iron ore geol., econ. 553.3
plants veget. ecol. 581.52635
rush (Juncaceae) bot. 584.45
Bogalusa, La. history 976.3111
Bogies folklore 398.4
railway engineering 625.21
Bog-mosses
(Hypnaceae) botany 588.21511
large (Sphagnales) bot. 588.1
Bogus degrees univ. & col. 378.26
Bohemia history 943.71
Bohemian
brethren sect. history 284.3
[4] **Czech language** 491.86
fowls (Gallinae) agric. 636.537
Bohemianism soc. customs 394
Bohlen lectures apologetics 239.04
Boileau-Despréaux, Nicolas
French wit 847.46
Boiler shop eng. works 621.792
Boilers
cheese industry 637.3321
heating bldg indus. 697.4–.5
hot water dom. economy 644.6
textile equipment 677.02851
see also Steam boilers
Boiling
cookery 641.73
points thermochemistry 541.36
prac. chemistry 542.48
textile process 677.02821
see also special fibers
thermology 536.44
Boils pathology 616.52
Boise
city, Ida history 979.6281
county, " " 979.674
nat'l forest, Ida. descr. 917.9674

Bojardo, M M It. poetry 851.22
Boker, G H Amer. drama 812.33
Bokhara
history 958.6
sheep (Bovidae) dom. anim. 636.385
Bokiba history 967.27
Boko islands history 952.978
Bokonka Mt, China hist. 951.37
Bola hunting sports 799.262
Bolak universal lang. 408.9
Boldness ethics 179.6
Bolivar co., Miss. hist. 976.243
Bolivia history 984
Bollandists Jesuits 271.5
Bolle ram mechanical eng. 621.272
Bollinger co., Mo hist. 977.894
Bologna history 945.4
Boloko River history 967.58
Bolometer radio 621.384175
thermology 536.51
Bolsheviki European war 940.4374
Bolshevism labor organiza. 331.886
polit. economy 335.441
Rus. history 947.08
Bolting polit. parties 329
Bolts
door & window constr'n 721.88
mech. fastenings 621.882
strength of eng. 620.11287
track railway eng. 625.15
Boma history 967.51
Bombacaceae botany 583.173
Bombardment
aerial mil. science 358.4
military science 355.44
Bombardon wood instr. 788.8
Bombards ordnance 623.4211
Bombay
hemp (Fabaceae)
field crops 633.562
history 954.7
Bombing for fisheries
aircraft service 629.138639
Bombs chem. technology 662.2
ordnance 623.4543
projectile ordn. 623.45112
Bombycina entomology 595.787
Bomvanaland history 968.657
Bon Homme Richard, ship
American revolution 973.355
Bonaparte
Joseph Spanish history 946.06
Napoleon, *see* Napoleon I
Bonaventure co., Que hist. 971.478
Bonbons cookery 641.85
Bond co., Ill history 977.387
houses fin. econ. 332.14
Bondage slavery 326
Bonded
areas free ports 337.87
debt pub. securities 336.31
warchouses archi. 725.145
Bonding electric traction 621.3334
radio on aircraft 621.38419143
Bonds
and stocks fin. econ. 332.63
business finance 658.148
engraving 768.8
gov't pub. finance 336.31–.32
insur. of business 368.81
legal procedure 347.91
masonry brick constr'n 693.21
stone " 693.11
mortgage fin. econ. 332.77
pub. school support 379.13
surety criminal law 343
Bondu history 966.36
Bone
arts & crafts 745.55
boiling and pollution
public health 614.742
carving sculpture 736.64
caves archeology 571.81
engineering materials 620.198
fertilizers 631.852
houses architecture 726.82
implements archeology 571.52
surfaces painting 751.225
Bone-black distillation 668.7
pigments 667.6
Bones
anatomy 611.71
comp. 591.47
divinatory psychology 133.332–.333
games 795.1
histology 611.0184
music instr. 789.4
of ear anatomy 611.857
pathology 616.71
physiology 612.75
Bonghi, Ruggiero It. essays 854.82
Bonin islands history 952.85
Bonn conferences
church history 270.8
Old Catholics 284.8
Bonnemaisoniaceae botany 589.416
Bonner co., Ida history 979.696
Bonnet pepper (Solanaceae)
botany 583.79

Bonnets costume 391.4
manufactures 687.4
Bonneville co., Ida hist. 979.653
Bonus pay wages 331.22
teacher's educ. 371.1614
Book
and book arts 002
message transmitters
library equipment 022.94
auctions business 655.56
boards lib. accession 025.214
buyers, discounts to
bookselling 655.56
buying lib. acquisition 025.22
cases dom. economy 645.63
fixed furniture 729.94
library bldg 022.4
office equip. 651.234
Sunday schools 268.241
[1] **catalogs, publishers' 015**
clubs self-education 374.22
collecting bibliophily 010
lib. accession 025.2
collectors biography 920.1
deposits lib. exchange 025.269
exchanges
library acquisition 025.226
funds library
subj. apportionment 025.211
gifts gov't aid to lib. 021.84
lib. acquisition 025.227
priv. aid to lib. 021.93
holders lib. fittings 022.934
office equip. 651.235
illumination arts & crafts 745.67
illustrations drawing 741.64
printing 655.32
publishing 655.53
lifts library fixture 022.945
mechanical eng. 621.87774
lists in newspapers
library publicity 021.74
loan systems lib econ. 025.6
location syst. lib. admin. 025
marking reading methods
library economy 028.1
of common prayer
Prot. Epis. ritual 264.03
Jasher pseudepigrapha 229.915
Jesirah " 229.915
judges Bible 222.3
kings " 222.5
numbers " 222.14
proverbs " 223.7
Zorah pseudepigrapha 229.915
Book (cont.)
omens divination 133.332
ordering & receiving
library accession 025.23
ownership marks lib. econ. 025.25
rarities 097
Plateau, Colo history 978.816
preparation costs
library finance 025.118
prices bookselling 655.56
publishing 655.54
progress school records 371.2
rarities 090
records office economy 651.512
rejection lib. accession 025.217
reviewing lib. economy 028.1
selection principles 028.2
lib. accession 025.21
sizes, styles, etc.
publishing 655.53
stacks library bldg 022.43
tests spiritism 133.93
thefts library abuses 024.86
tiers library stacks 022.44
titles, fictitious rarities 098.3
trade, *see* Bookselling,
Publishing
trucks library equip. 022.942
wagons " econ. 021.65
week " " 021.7
worms " " 025.8
Bookbinders lib. employes 023.771
Bookbinding lib. admin. 025.7
trades 686
see also Binding
Bookkeepers office econ. 651.3742
Bookkeeping, *see* Accounting
Booklets direct adver. 659.133
Book-lice (Corrodentia)
entomology 595.732
[1] **Booklovers circulating lib. 027.3**
Bookmaking publishing 655
Bookmarks labor-savers 029.2
Bookplates lib. economy 025.253
rarities 097
Books
and reading, professor-
ships of lib. econ. 028.6
bibl. & phys. descr. of
library cataloging 025.3
black sorcery 133.43
censorship of
lib. loan restrictions 024.674
selection method 025.217
chained lib. economy 025.8
classification of
library admin. 025.4

Books (cont.)
commonplace- lit. meth. 029.4
condemned rarities 098.1
conjuring sorcery 133.43
deuterocanonic 229
dream psychology 135.382
duty on lib. econ. 021.861
tariff 337.72
dwarf, miniature, etc.
curiosa 099.1
enemies of lib. economy 025.8
floor load lib. stacks 022.438
for readers appraisal
library economy 028.8
foreign lib. acquisition 025.221
guides in selecting
library economy 028
home use of library 024.6
loan privileges 024.7
imaginary rarities 098.3
in block lib. acquisition 025.225
lists of best lib. econ. 028
subj. bibl. 016
lost lib. loan rules 024.85
rarities 098.3
new, library cases for 022.482
obscure rarities 098.1
of Elias pseudepigrapha 229.915
hours pub. worship 264.1
old lib. acquisition 025.223
prayer, *see* Service books
preservation of
library admin. 025.7–.9
privately printed
library gifts 025.227
rarities 094.1
prohibited rarities 098.1
projected rarities 098.3
proscribed rarities 098.11
rare material rarities 096.2
reading elem. education 372.4
reception routine
library accession 025.233–.236
reference library admin. 025.5
repairing, cleaning, etc.
library admin. 025.7
restricted
lib. loan 024.67
privileges 024.77
sacred Bible 220
comp. religion 291.8
sales lib. acquisition 025.223
school, free
child welfare 362.764
pub. schools 379.153

Books (cont.)
shipment frequency
library accession 025.233
storage of office records 651.545
supposed rarities 098.3
suppressed " 098.1
unique copies rarities 094.2
with key 098.5
ms notes rarities 091.6
withdrawal
lib. accession record 025.249
selection method 025.218
writing elem. education 372.51
Booksellers 655.4069
biography 920.4
catalogs bibl. 017–019
discounts to publishing 655.54
Bookselling business 655.5
see also Publishing
Boomerang hunting sports 799.262
sports 796.38
weapons 399
Booms production 338.58
see also in Tables subhead Crises, under specific types of Production, e.g. 338.15
Boone co., Ark history 976.718
Ill " 977.329
Ind " 977.254
Ia " 977.754
Ky " 976.936
Mo " 977.829
Neb " 978.251
WVa " 975.439
Boosters electric eng. 621.31328
Booths city planning 711.669
Bootleg mining economics 338.22
Bootlegging pub. finance 336.2718
Bootmaking trades 685.31
Boots, tight hygiene 613.484
Booty law of war 341.3
mil. science 355.134
Boraginaceae botany 583.77
Borates mineralogy 549.73
Boreh, Oluf Dan. literature 839.8183
Bordeaux history 944.71
Border
ballads, Scotch Eng. lit. 828.99494104
planting lands. art 715.165
Borderline intelligence
childstudy 136.7622425
education 371.94
psychology 132.2425
Borders
advertizing layout 659.1324
plants for floriculture 635.963
Bording, Anders Dan. poetry 839.81132

Bore ordnance 623.4235
Boreal subalpine regions
vegetable ecology 581.5244443
Borecole (Brassicaceae)
garden crops 635.346
Borer, posthole farm tools 631.3113
Borers (Coleoptera)
agricultural pests 632.76
Bores ethics 177.2
Borghini, Vincenzo It. essays 854.43
Borgne, Lake, La. descr. 917.6336
Borgu, Dahomey history 966.87
Nigeria " 966.96
Boring
deep mining 622.24
insects (Entomophaga)
entomology 595.792
machines mech. tools 621.945
Borku history 967.47
Born, Bertran de
Provençal poetry 849.126
Bornelh, Giraut de
Provençal poetry 849.128
Borneo history 991.1
[4] **Borneo-Dyak language** 499.227
Bornier, Henri de Fr. drama 842.85
Bornu history 966.98
Boron chemistry 546.27
Borough gov't admin. 352
Eng. 352.04202
Boroughs city planning 711.43
Borraginaceae botany 583.77
Bos (Bovidae) dom. anim. 636.2
Bosboom-Toussaint, A L G
Dutch fiction 839.31356
Boshof history 968.53
Boshu (Awa) history 952.1327
(Suo) " 952.1981
Bosnia and Herzegovina
history 943.95
Bosporus history 949.6
Boss polit. parties 329
Bosses geology 551.88
Bossier parish, La. hist. 976.397
Boston
card games 795.41
Mass.
history 974.461
massacre, 1770
Amer. revol. 973.3113
port bill, 1774
Amer. revol. 973.3116
siege, 1775–76
Amer. revol. 973.3313
Boston (cont.)
Mass (cont.)
tea party, 1773
Amer. revol. 973.3115
Mts, Ark description 917.6716
Bostwick game & bird
preserve, Neb. descr. 917.8237
Botanic
chemistry 581.19
gardens
and museums archi. 727.558
science 580.74
lands. art 712.56
material microscopy 578.8
surveys aircraft service 629.138558
Botanists 580.69
biography 925.8
Botany 580
see also Flora, Plants
agricultural agronomy 630.28
analytic 581
economic 581.6
forestry 634.94
[1] **geographic** 581.9
medical pharmacy 615
ornamental lands. art. 715–716
paleo- 561
pathologic 581.2
pharmaceutic 581.634
physiologic 581
vitic. 634.831
structural 581
vitic. 634.831
systematic 582–589
viticulture 634.831
Botel Tobago islands hist. 952.947
Botero, Giovanni It. essays 854.48
Botetourt co., Va history 975.583
Bot-fly (Brachycera)
entomology 595.772
Bothrodendraceae botany 587.9113
paleobot. 561.79113
Botin, Anders af Swed. lit. 839.7847
Botrydiaceae botany 589.482
Botryococcaceae " 589.4852
Botryopterideae " 587.335
paleobot. 561.7335
Bottle-charts oceanography 551.47
Bottles
practical chemistry 542.231
wash-, for
gases prac. chem. 542.74
liquids " " 542.69
Bottoms shipbuilding 623.84

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Bouches-du-Rhône history 944.91
Bouchet, Guillaume Fr. fict. 843.35
Boudoir furnishing
domestic economy 645.67
Boulder co., Colo hist. 978.863
Boulders geology 551.33
Boulevards street planning 711.73
Boulonnais draft horse
(Equidae) dom. anim. 636.1543
Boundaries
artificial polit. sci. 320.1289
garden composition 712.6243
nat'l foreign relations 327
int'l law 341
of estates land econ. 333.31
private law 347.2
polit. science 320.128
Boundary
areas city zoning 711.559
county, Ida history 979.698
layer aerodynamics 629.13237
patrol aircraft service 629.13843
planting landscape art 715.165
structures city plan. 711.67
Bounties military sci. 355.22
tariff 337.4
wages 331.22
in other specific fields
[2] see subj. —079
Bounty, ship, mutiny, 1789
Pitcairn island 997
Bouquet's expedition
1763–64 US history 973.27
Bourbon
architecture 724.14403
county, Kan history 978.197
Ky " 976.942
house of
Fr. hist. 944.03
restoration 944.06
Sp. " 1700–1808 946.054
1814–68 946.07
1868– 946.08
islands history 969.81
turkey (Gallinae) agric. 636.5928
Bourbonnais history 944.57
Bourbourg fowls (Gallinae)
agriculture 636.544
Bourgeoisie, eduction of 371.964
soc. classes 323.32
Bourguignons history, anc. 936.312
Bourquiniana, vitis aestivalis agriculture 634.8452
Bourrée music form 781.50851
Bourrette fabric silk mfg 677.446
Boursault, Edme Fr. drama 842.44
Bourses architecture 725.252
fin. economics 332.6
Boussiques process phot. 772.12
Bouvin process phot. 772.45
Bouzie history 966.61
Bovidae mammalogy 599.73584
Bovinae (Bovidae) agric. 636.2931
Bow
aircraft constr'n 629.13431
and arrow archery 799.32
fine arts 739.73
windows archi. constr'n 721.845
Bowed stringed instr. music 787.1–.4
Bowen, Francis philosophy 191.7
Bowfin (Amiidae) ichthyol. 597.41
Bowie state (Ark) history 976.7
Bowling
alleys architecture 725.84
ethics 175.4
Green, Ky history 976.9741
green structures
landscape art 717.687
greens lands. art 712.547631
sports 796.31
recreation 794.6
Bowstring hemp (Liliaceae)
field crops 633.574
Box
Butte co., Neb history 978.294
(Buxaceae) botany 583.293
cameras photography 771.3132
factories architecture 725.442
girder bridges eng. 624.4
lumber forest products 634.9842
system of flat filing
office records 651.542
Boxer and Enterprise, ships
War of 1812 973.5253
uprising Chinese hist. 951.039
Boxes
axle railway eng. 625.21
carrying agric. 631.3731
electric cars 621.3347
for plants agric. 631.346
office fittings 651.4656
packing
agric. appliances 631.3644
in agric. opera. 631.5644
precious metals arts 739.2184
radio equipment 621.38413388
window lands. planting 716.4
Box-fish (Plectognathi)
ichthyology 597.54

Boxing athletics 796.83
ethics 175.6
gloves mfg 685.433
school hyg. 371.734
Boy
problem psychology 136.77
rangers sociology 369.42
scout bldgs archi. 728.443
libraries 027.627
scouts sociology 369.43
Boycotting labor disputes 331.8933
Boyd co., Ky history 976.927
Neb " 978.272
Boye, C J Danish drama 839.81261
Boyle co., Ky history 976.952
lectures apologetics 239.02
Boyron, Michel, *called* Baron
French drama 842.48
Boys
camps, *see* Summer camps
clubs sociology 369.42
dept YMCA 267.357
instit. criminology 364.722
juvenile delinquency 364.363
libraries for 027.627
relig. organiza. lib. 027.6752
religious societies 267.7
viewpoint psychology 136.74
Brabant
fowls (Gallinae) agric. 636.548
Jan 1, van Dutch poetry 839.31113
Bracciolini, Francesco It. wit 857.52
Bracelets cost. ornaments 391.7
fine arts 739.27
palmistry 133.6433
Braces carpentry 694.3
mot. veh. body 629.2624
steam boilers 621.18452
surgery 617.92
track railway eng. 625.15
Brachial artery anatomy 611.1342
plexus " 611.8334
Brachialis anatomy 611.73723
Brachiopoda paleozoology 564.8
zoology 594.8
Brachioradialis anatomy 611.73761
Brachium conjunctivum
cerebelli anatomy 611.8164
Brachvogel, A E Ger. drama 832.83
Brachycephalism craniology 573.7
psychology 132.2432
Brachycera entomology 595.772
Brachytheciaceae botany 588.21512
Brachyura zoology 595.3842
Bracing
aircraft construction 629.13437
bridge engineering 624.3
Brackel fowls (Gallinae)
agriculture 636.548
Bracken co., Ky history 976.9325
Brackenridge, H H
Amer. fict. 813.21
Brackets
door & window constr'n 721.865
radio antennas 621.38413584
equipment 621.38413388
Brackygraphy shorthand 653
Bracts leaf morphology 581.4976
Braddock's defeat, 1755
US history 973.26
Bradford co., Fla history 975.915
Pa " 974.857
Bradley co., Ark " 976.763
Tenn " 976.887
Bradstreet, Mrs Anne
(Dudley) American poetry 811.12
Brady Island, Neb history 978.282
Brahe, Tyge Danish lit. 839.8183
Brahma
comp. religion 294
fowls (Gallinae) agric. 636.5852
Brahman archi. styles 722.415
Brahmanism comp. religion 294.1
[1] **Brahmans biography 922.94**
Brahmin scared cattle
(Bovidae) dom. anim. 636.291
Brahmo Somaj Hindu sect 294.552
Braided veget. fibers mfg 677.54
Braiding
elem. education 372.55
machines textile equip. 677.02852
rush manufactures 677.544
textile process 677.02824
see also special fibers
Braidism psychology 134
Braids manufactures 677.75
Braille syst. educ. of blind 371.911
libraries 027.663
printing 655.38
Brain
anatomy 611.81
psychology 131.11
centers, conduction in
physiology 612.8235
compression of physiol. 612.82455
conduction in " 612.8262
deformities psychology 132.243

Brain (cont.)
diseases
affective medicine 616.895
psychology 132.195
functional medicine 616.84
psychology 132.14
medicine 616.8
organic medicine 616.83
psychology 132.13
psychology 132
latent period of physiol. 612.8211
measurement anatomy 611.811
morphology 612.823
movements physiology 612.8242
physiology 612.82
psychophysiology 131.22
removal of physiol. 612.8226
weight anatomy 611.811
physiology 612.823
Brain-mantle, *see* Cerebral cortex
Brainpan anatomy 611.715
phrenology 139.2
Braising cookery 641.72
Braj Bhasha language 491.43
Brake control mot. veh. 629.2466
mech. " " 629.2467
Brakes
aircraft construction 629.1343844
clutch mot. veh. 629.2443
electric cars 621.3347
gun mounts 623.4356
motor vehicles 629.246
(Polypodiaceae) botany 587.3127
railroad engineering 625.25
shaft mechanical eng. 621.826
Braking gun mounts 623.573
Bramble fruits (Rosaceae)
agriculture 634.71
Branch
banking fin. econ. 332.16
county, Mich history 977.421
cuttings plant culture 631.5354
grafting agriculture 631.54144
libraries lib. bldgs 022.15
extension 021.62
lines, priv., express
charges railways 385.132393
museums 069.67
thinning agric. pruning 631.54214
Branches
fall of bot. ontogeny 581.135354
office economy 651.32
retail sales meth. 658.877
root morphology 581.4985
stem " 581.4955
Branchial
respiration zoology 591.125
skeleton anatomy 611.7166
comp. 591.47
Branching habits
landscape planting 715.1732
Branchiopoda zoology 595.323
Brandenburg history 943.15
Brandes, G M C Dan. essays 839.81466
Brand-fungi (Hemibasidii)
botany 589.224
Branding zootechny 636.0812
Brands advertizing 659.12
Brandt, Geeraert
Dutch poet. 839.31136
Brandt's hydraulic gun
mechanical engineering 621.269
Brandy chem. technology 663.5
temperance 178
Brandwine Creek, Pa
American revolution 973.3336
Brant, Joseph Amer. revol. 973.3345
Sebastian Ger. wit 837.32
co., Ont. history 971.347
Brantford, Ont. " 971.348
Brantley co., Ga " 975.8753
Brass
band music 785.122
cloth manufactures 677.53
instruments music 788.1–.4
mot. veh. materials 629.23227
products mfg 673
work fine arts 739.52
Brassage fin. economics 332.46
Brasses, monumental eccles. 247.3
Brassicaceae botany 583.123
Braun
tube electricity 537.53
radio circuits 621.38413384
W A D von Swedish wit 839.7764
Bravery ethics 179.6
Braxton co., WVa history 975.466
Braziers ceramics 738.85
Brazil
history 981
nut (Lecythidaceae)
nuciculture 634.575
tea (Ilicaceae)
field crops 633.77
Brazilian literature 869.899891
Brazing plumbing 696.1
Brazzaville history 967.26
Breach of promise priv. law 347.6
Breaches, defense of
military engineering 623.35

Breaching military eng. 623.25
Bread
adulterations 614.312
and nutrition physiol. 612.39274
as food dom. economy 641.13
cookery 641.631
Eucharist 265.3
Breadfruit (Moraceae)
fruitculture 634.39
Breadroot (Fabaceae) bot. 583.322
Breadstuffs economics 338.1731
Breadwinning courses
curriculum 375.0071
Breakage insurance bus. 368.6
Breakbone fever pathol. 616.921
Breakers
circuit elec. stations 621.31736
clod farm tools 631.3143
middle " " 631.3126
textile equipment 677.02851
Breakfast cookery 641.52
foods dom. econ. 641.331
Breaking
of anim. recreation 791.8
zootechny 636.0886
textile process 677.02821
see also special fibers
Breakwater ports commerce 387.125
Breakwaters harbor eng. 627.2
Breast
anatomy 611.69
gynecology 618.19
inflamation of obstetrics 618.71
Breast-bone anatomy 611.713
Breast-wheels hydraulics 532.84
mech. eng. 621.223
Breath printing process
photography 772.16
Breathing
oratory 808.5
physiology 612.2
botanic 581.12
zoologic 591.12
voice culture 784.93
Breathings English lang. 421.2
[3] other " —12
Breathitt co., Ky history 976.919
Breckinridge co., Ky hist. 976.9854
Brecknock history 942.965
Brecon history 942.965
Breda fowls (Gallinae)
agriculture 636.548
Bredasdorp history 968.732
Bredero, G A Dutch drama 839.31231
Breech apparatus ordnance 623.4241
Breeching gun mounts 623.4355
tackle ordn. 623.4362
Breechloading guns ordn. 623.4222
Breeding
and heredity biology 575.13
apiculture 638.12156
estab. cavalry mounts 357.2
feeding for zootechny 636.08451
habits biology 575.36
botany 581.56
zoology 591.56
of plants agriculture 631.522
parents, choice of
zootechny 636.08244
raising for zootechny 636.0881
zootechny 636.0824
Breeds & races zootechny 636.08211
Brefeldiaceae botany 589.2932
Brehon laws Irish jurispr. 349.415
Bremen history 943.525
Bremer, Fredrika Swed. fict. 839.7363
co., Ia history 977.734
magnetic arcs
elec. lighting 621.3256
Bremerton, Wash history 979.7761
Brentano, C M Ger. fiction 833.72
Bresciani, Antonio It. fict. 853.75
Breslau history 943.14
Bressane swine (Suidae)
domestic animals 636.447
Bresse fowls (Gallinae) agric. 636.544
Brest, Fr. Eur. w. nav. base 940.453
history 944.11
Breton
cattle (Bovidae)
dom. anim. 636.2441
de los Herreros, Manuel
Spanish drama 862.53
draft horse (Equidae)
domestic animals 636.1544
[4] **language** 491.68
sheep (Bovidae)
dom. anim. 636.3448
Sound, La. description 917.6337
swine (Suidae) dom. anim. 636.443
Breton's law psychophysics 152.8215
Bretschneideraceae botany 583.286
Brevard co., Fla. history 975.927
Breves spinae anatomy 611.7317
Brevets military honors 355.134
Breviaries, *see* Service books
Brevity shorthand 653.15
Brewed beverages
state inspection 614.343
Breweries architecture 725.4233

Brewing
and pollution pub. health 614.731
chemic technology 663.3
Briar Creek, Ga, battle
American revolution 973.3357
Bribery criminal law 343
electoral frauds 324.271
journalism 070.16
legis. abuses 328.367
suffrage limit. 324.174
Bricabrac
cleaning dom. economy 648.54
fine arts 739.8
Brick
and iron ceilings archi. 721.73
structures " 721.972
building industry 691.4
chemic technology 666.7
clays geol., economic 553.61
columnar constr'n 721.34
construction masonry 693.2
floors archi. constr'n 721.63
foundations architecture 721.134
houses, rural archi. 728.63
urban " 728.38
ornamental ceramics 738.62
pavements
engineering 625.82
vitrified eng. 625.87
roofs archi. constr'n 721.53
strength of eng. 620.14
walls archi. constr'n 721.24
works architecture 725.487
Bridal customs sociology 392.5
Bridge
bolometer radio 621.384175
card games 795.41
materials engineering 624.01
foundations 624.153
syst., duplex telegraphy 621.382325
towers architecture 725.975
Wheatstone electricity 537.7
Bridge-grafting
agricultural prot'n 632.8
Bridges, R S Eng. poetry 821.87
Bridges
administrative control 351.815
arched engineering 624.6
box girder " 624.4
cemeteries 718.64
city planning 711.726
compound structure eng. 624.7
counterpoised eng. 624.82
cylinder eng. 624.4
engineering 624
Bridges (cont.)
farm economics 631.28
floating engineering 624.85
folding " 624.82
forest " 634.9344
girder " 624.27
highways " 624.12
landscape constr'n 713.74
lifting engineering 624.84
local government 352.7
mil. engineering 623.65
resources 355.27
tactics 355.424
movable engineering 624.8
park design 712.514
pedestrian city plan. 711.74
pontoon engineering 624.87
railway city planning 711.753
engineering 624.12
rolling " 624.85
sociology 388.1
street railway
city planning 711.752
suspension eng. 624.5
traveling " 624.86
trussed " 624.3
tubular " 624.4
turning " 624.83
Bridgetenders' libraries 027.657
Bridgeton, NJ history 974.995
Bridgewater
Ont, battle, 1814 US hist. 973.5237
treatises nat. theology 215
Bridging syst. telephony 621.38523
Bridle paths
city planning 711.73
landscape constr'n 713.72
Brie cheese dairy indus. 637.3534
Briefs, in specific fields
[2] see subj. —02
Brigade military science 355.31
Brigandage criminal law 343
[1] **Brigands biography** 923.41
Brightness
and visual perception
physiology 612.84372342
psychology 152.1372342
drawing 741.45
Brighton, Eng. history 942.25
grape vitic. 634.84709
Bright's disease pathol. 616.61
physiol. 612.46622
Brilliancy line palmistry 133.6432
Brilliant grape viticulture 634.84709
Brine syst. refrigeration 621.5651

Brink, R C Bakhuizen van den
Dutch essays 839.31452
Bristle fabrics mfg. 677.56
Bristle-mosses
(Funariaceae) botany 588.21442
leafy (Timmiaceae) bot. 588.21411
Bristles textile mfg 677.38
veget. morphology 581.4781
Bristletails (Lepismidae)
agricultural pests 632.715
domestic " 648.7
Bristoe, Va, campaign, 1863
US Civil war 973.7353
Bristol
board drawing equip. 741.3
city, Va history 975.5726
co., Eng. " 942.41
Mass " 974.485
RI " 974.55
Briticisms English lang. 427
French " 442.4
3 other " —24
British
America history 971
Central Africa
protectorate hist. 968.97
Columbia history 971.1
East Africa " 967.6
European war 940.4236
empire history 942
Guiana boundary dispute
1896 US history 973.87
India history 954
laws & statutes jurispr. 346
navy central gov't 354.42067
North America Act, 1867
Canadian history 971.049
philosophers 192
Somaliland history 967.72
South Africa Co. hist. 968.9
see also English
Britons history 942.01
Britstown history 968.749
Brittany
cattle (Bovidae)
domestic animals 636.2441
history 944.1
Broaches roof constr'n 721.572
Broad
church sect. history 283
vs close classification
library administration 025.4
Broadbean (Fabaceae)
garden crops 635.651
Broadbill
(Anseres) ornithology 598.41
(Mesomyodi) " 598.86
Broadcast sowers farming 631.3311
sowing agric. 631.5311
Broadcasting
educational meth. 371.333
radio 621.384193
advertizing 659.14
stations radio 621.384164
Broadcloth textile indus. 677.02864
see also special fibers
Broadsides
direct advertizing 659.133
library acquis. 025.294
admin. 025.174
preservation 025.8
Brocade
appliqué special fabrics 677.61
silk industry 677.4164
Brocaded fabrics mfg 677.61
Broca's area anat. 611.8133
convolutions " 611.81311
Brocatel manufactures 677.02864
see also special fibers
special fabrics 677.61
Broccoli (Brassicaceae)
garden crops 635.356
Brochmand, J R Danish lit. 839.8183
Brockes, B H Ger. poetry 831.57
Brocol grape viticulture 634.8544
Broiling cookery 641.76
Broken homes and crime
sociology 364.253
Brokerage private law 347.7
sales meth. 658.876
Brokers boards fin. econ. 332.61
stock " " 332.62
Broletto architecture 725.137
Brome
county, Que history 971.464
grass (Aveneae) field crops 633.262
Bromeliineae botany 584.22
fiber crops 633.575–.576
Bromid processes phot. 772.14–.15
pencils " 771.45
Bromidic type personality 137.42
Bromids
gum printing on phot. 773.15
hypnotics 615.782
Bromin
chemistry 546.14
compounds mineralogy 549.4
Bromoil
processes photography 773.8
solutions phot. chem. 771.548

Bronchi anatomy 611.233
physiology 612.2151
Bronchial arteries anat. 611.1355
nerves " 611.831918
Bronchitis pathology 616.23
Bronco (Equidae) dom. anim. 636.168
Bronté, Charlotte Eng. fict. 823.81
Brontotheriidae mammalogy 599.7264
paleozool. 569.7264
Bronx borough & co., NY
history 974.7275
Bronze
age archeology 571.3
man, psychology of 136.413
coinage metals 332.418
implements archeol. 571.34
mot. veh. materials 629.23227
products mfg 673
turkey (Gallinae) agric. 636.5922
work fine arts 739.512
Brooches fine arts 739.27
Brood
diseases apiculture 638.154
organs veget. genera. 581.1653
rearing apiculture 638.12156
Brooders architecture 728.945
poultry farming 636.508337
Brook
Farm
socialist communities 335.97446
mosses
(Fontinalaceae) botany 588.21533
Brooke co., WVa history 975.413
Brooklyn
borough, NY history 974.723
institute adult educ. 374.974723
Brooks co., Ga history 975.887
landscape art 714.24
Brookside plants floric. 635.9674
Broom-
corn (Andropogoneae)
field crops 633.175
rape (Orobanchaceae) bot. 583.821
root fiber crops 633.59
Broome co., NY history 974.775
Brooms dom. economy 648.52
Broomstick riding sorcery 133.42
Brorson, H A Dan. poetry 839.81144
Brothels admin. control 351.764
ethics 176.5
Brotherhoods
monastic relig. orders 271
non-Cath. " " 271.8
parochial pastoral theol. 255
Prot. Epis. relig. orders 271.83
Brothers
Christian relig. order 271 78
of penitence of St Dominic
relig. order 271.2
the Christian schools
relig. order 271.78
Brougham and Vaux, H P
English essays 824.74
Broward co., Fla history 975.935
Brown
C B American fiction 813.23
John, raid, 1859
US Civ. war causes 973.7116
history 973.68
slavery 326.97368
Thomas
English wit 827.46
the younger, *pseud.*
English poetry 821.75
Brown
algae (Phaeophyceae) bot. 589.45
coal geol., economic 553.22
county, Ill history 977.347
Ind " 977.225
Kan " 978.134
Minn " 977.631
Neb " 978.2736
O " 977.1796
Wis " 977.561
line processes phot. 772.16
Swiss cattle (Bovidae)
domestic animals 636.2371
Browne, C F American wit 817.37
Brownian movement physics 539.6
Brownies folklore 398.4
Browning
Mrs Elizabeth (Barrett)
English poetry 821.82
Robert English poetry 821.83
Brownists
[1] **Congregationalists 285.8**
Brown-rot (Melanconiales)
botany 589.243
Brown's Valley, Ala hist. 976.195
Brownson, O A philosophy 191.2
Browntail moth (Bombycina)
agricultural pests 632.787
Bruce co., Ont history 971.321
Brünner's glands anatomy 611.342
Brueys, D A de Fr. drama 842.46
Bruges
fowls (Gallinae) agric. 636.548
history 949.3
Eur. w., 1914 940.4213
1918 940.4364
Brunelliaceae botany 583.395
Bruniaceae " 583.396

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Brunoniaceae botany 583.581
Brunswick
city, Ga history 975.8741
county, NC " 975.629
Va " 975.5575
Germany " 943.54
house of Eng. history 942.07
pigeons (Columbae) agric. 636.59633
Brusa, *see* Bursa
Brush disposal silvic. 634.955
fibers field crops 633.59
Brushes manufactures 679
office fittings 651.4659
painting, art 751.34
Brushy Mt, Okla descr. 917.6681
Brussels
history 949.3
occupation, 1914 Eur. w. 940.4212
sprouts (Brassicaceae)
garden crops 635.36
Bruun
Conrad Malte- Dan. poet. 839.81158
T C Danish wit 839.81753
Bryaceae botany 588.21415
Bryales " **588.21**
Bryan co., Ga history 975.873
Okla " 976.662
Bryant, W C Amer. poetry 811.33
Bryoideae botany 588.21415
Bryology " **588.2**
Bryophyta " **588**
Bryopsidaceae " 589.4727
Bryoxiphiaceae " 588.21473
Bryozoa zoology 594.7
[4] **Brythonic languages 491.65**
Brzezany European war 940.4325
Bubalus (Bovidae)
dom. anim. 636.2932
Bubble
financial, Mississippi 332.310944
South sea 332.630942
shell (Tectibranchia) zool. 594.37
Bubi history 968.9265
Bucarest
Eur. w., 1916 940.4281
air raids 940.446
history 949.8
Buccal
cavity anatomy 611.31
and speech physiol. 612.7891
physiology 612.31
muscles anatomy 611.7326
Buccaneering
criminal law **343**
history of piracy **910.4**
international law 341.4
[1] **Buccaneers biography 923.41**
Buchan humblies (Bovidae)
domestic animals 636.2231
Buchanan, James, presidency
US history 973.68
Buchanan co., Ia history 977.738
Mo " 977.813
Va " 975.575
Bucharest, *see* Bucarest
Buchholtz, A H Ger. fict. 833.51
Buck Mt, Ore description 917.9578
Buck-bean (Menyanthaceae)
botany 583.751
Bucket
conveyers mech. eng. 621.8676
curved, wheels mech. eng. 621.232
shops fin. economics 332.61
Bucketeers fin. economics 332.62
Bucketing
stock & commodity trading 332.64
Buckets
hydraulic turbines 621.241
mining 622.68
steam turbines 621.16532
theory 621.16512
water wheels 621.21
Bucket-wheels mech. eng. 621.22
Buckeye
fowls (Gallinae) agric. 636.5815
(Hippocastanaceae) bot. 583.285
state (Ohio) hist. 977.1
Buckhorn Mts, Wash history 979.728
Bucking logging 634.98245
Buckingham
county, Eng. history 942.575
Va " 975.562
system telegraphy 621.38255
Bucklandioideae (Hamamelidaceae) botany 583.394
Bucks co., Pa.
fowls (Gallinae) agric. 636.5813
history 974.821
Buckshot war, 1838
Penn hist. 974.8057
Buckthorn
(Rhamnaceae) botany 583.2791
southern (Sapotaceae) bot. 583.6811
Buckwheat (Polygonaceae)
field crops 633.12

Bucolic poet. lit., Amer. 811.06
Eng. 821.06
[3] other —106
rhetoric 808.16
Bucovina history 943.75
Eur. w., 1915 940.4253
1916 940.4275
Bucovinian language 459.79
literature 859
Bud cuttings plant culture 631.5355
grafting agriculture 631.5415
Budama history 967.615
Budapest history 943.91
Buddha comparative relig. 294
Buddhism " " **294.3**
Buddhist archi. styles 722.413
cookery dom. econ. 641.567
Buddhists
[1] **biography** 922.94
[4] **southern, canonic lang.** 491.3701
Budding knife agriculture 631.341
physiology 612.6041
plant culture 631.5415
veget. generation 581.16523
Buddleioideae (Loganiaceae)
botany 583.74
Budgell, Eustace Eng. essays 824.54
Budget adver. agencies 659.112
business finance 658.154
domestic economy 647.1
government admin. 351.72
public finance 336
school pub. educ. 379.11
workmen's econ. 331.831
Buds
lingual
anatomy of digestion 611.3135
taste 611.87
physiology 612.87
psychology 152.413
nipping off agric. pruning 631.54222
proliferous plant culture 631.5333
root morphology 581.4986
Bühel, Hans von Ger. poet. 831.34
Buelliaceae botany 589.171
Buena Vista
city, Mexico, battle, 1847
US history 973.6235
Va history 975.5851
county, Ia history 977.718
Buenos Ayres history 982
Bürger, G A Ger. poet. 831.63
Bürgerschulen
admission 371.21243
elem. educ., intermediate 372.242
Buff turkey (Gallinae) agric. 636.5924
Buffa history 966.63
Buffalo
Amer. (Bovidae)
dom. anim. 636.2921
berry (Elaeagnaceae)
fruitculture 634.742
(Bovidae)
domestic animals 636.2932
milk cheese dairy indus. 637.3554
city, NY history 974.797
county, Neb " 978.245
Wis " 977.548
Buffers railroad eng. 625.25
Buffet car cookery
domestic economy 641.576
Buffets fixed furniture 729.94
Buffing shop eng. works 621.795
Buffoons social customs 394.2
Bug eater state (Neb) hist. 978.2
Buganda province " 967.611
Buginese language 499.2287
literature 899.228
Buglers military science 355.34
Bugles brass instruments 788.46–.47
Bugs (Rhynchota) entomol. 595.75
Bugseed tumbleweed
(Chenopodiaceae) bot. 583.914
Buhlwork archi. decoration 729.63
artistic furn. 749.5
Building
and loan ass'ns archi. 725.24
fin. econ. 332.32
associations, cooperative
political economy 334.1
connections sewerage eng. 628.252
density city planning 711.64
drainage sanitary eng. 628.6
groups city planning 711.55
industries 690
laws industry 692.9
public health 614.85
lots landscape art 712.642
materials
city planning 711.65
industry 691
landscape structures 717.2
regulations admin. control 351.781
stones geology, econ. 553.5
quarrying 622.35

Buildings
and grounds
library admin. 025.9
museum " 069.66
[1] univ. & col. 378
plantations
landscape art 715.147
apiculture 638.1119
architecture 721
butter industry 637.231
dairy " 637.131
farm economics 631.2
forest engineering 634.9346
forms of city planning 711.65
hight of public health 614.784
in art 704.944
paintings f. arts 758.7
industrial management 658.2
inspection of pub. health 614.85
landscape art 717.6
military engineering 623.61
motor vehicle mfg 629.2342
newspaper
cost, upkeep, etc. 070.341
portable architecture 725.92
public, care of dom. econ. 647.96
civil service 351.71
local gov't 352.5
sale of finance 336.12
rent of
land economics 333.63
for polit. econ. 333.62
sewer ventilation of
sanitary engineering 628.233–.235
types of architecture 725–728
city planning 711.66
urban " " 711.6
YMCA 267.32
zootechny 636.0831–2
see also Houses, and qualifying or specific terms
Built-
in furniture archi. 729.9
fine arts 749.4
up guns ordnance 623.4216
Bukarest, *see* Bucarest
Bukedi history 967.615
Bukhara " 958.6
Bukoba " 967.88
Bulalima-Mangwe " 968.922
Bulawayo " 968.923
Bulb
beams, strength of eng. 620.11282
lamps, *see* Lamps
Bulb (cont.)
of urethra anatomy 611.647
plants, house floric. 635.96528
Bulbils veget. generation 581.1653
Bulbourethral glands
anatomy 611.627
physiology 612.4671
Bulbous domes
arched construction 721.46
Bulbs
and tubes gas compression 542.78
field crops 633.49
fioriculture 635.944
garden crops 635.2
plant culture 631.5321
stem morphology 581.49563
vegetable generation 581.1654
Bulb-scale cuttings
plant culture 631.5357
Bulbus olfactorius anat. 611.8133
vestibuli " 611.675
Bulgaria
campaign
Eur. w., 1915
nav. opr. 940.455
1916 940.4283
1918 940.4377
history 949.7
[4] **Bulgarian language** 491.81
Bulkheads landscape art 717.74
shipbuilding 623.84
Bull
(Bovidae) domestic anim. 636.208231
fights recreation 791.8
social customs 394.2
grape viticulture 634.8481
markets stock &
commodity exchanges 332.64
Run, Va, 1st battle, 1861
US Civ. war 973.7314
2d battle, 1862
US Civ. war 973.7328
tongue plow farming 631.3127
Bulla aurea, *see* Golden bull
Bullace grape viticulture 634.8481
Bullet " " 634.8481
Bulletin boards
library furniture 022.924
office equipment 651.239
railway architecture 725.316
Bulletins radio reports 621.38400039
stations 621.3841600039
[1] **univ. & col.** 378
see also Periodicals, Publications, Reports

Bullets, artillery ordnance 623.451
ordnance 623.455
Bullion
coinage metals 332.418
mint price fin. econ. 332.46
rating numismatics 737.44
state (Mo) **history** 977.8
Bullionism polit. econ. 330.151
Bullitt co., Ky history 976.945
grape viticulture 634.843209
Bulloch co., Ga history 975.8766
Bullock co., Ala " 976.148
Bullock's heart (Anonaceae)
fruitculture 634.415
Bull's Ferry, NY, battle
American revolution 973.3365
Bulls
literary, *see* Humor and satire
papal eccles. polity 262.8
sectarian hist. 282
Bull-us, Hector, *pseud.*
American wit 817.23
Bullying student life 371.82
Bulrush (Cyperaceae) bot 584.841
(Typhaceae) " 584.613
Bulwer-Clayton treaty, 1850
international law 341.273
US history 973.64
Lytton E G Eng. fict. 823.84
Bumpers mot. veh. equip. 629.276
Bumps, cranial phrenology 139.2
Bunch grape viticulture 634.8451
Bunchers agric. tools 631.3643
Bunchflower (Melanthaceae) 584.321
Bunching logging 634.982522
Buncombe co., NC history 975.688
Bundesrat German gov't 354.43032
Bundesstaat polit. sci. 321.021
Bundle sheath stem anat. 581.49534
Bundlers agric. tools 631.3641
Bundling customs 392.4
Bungalows architecture 728.6
Bungo history 952.255
Bunk houses architecture 728.92
Bunker Hill battle
Amer. revol. 973.3312
monument
Amer. revol. 973.366
Bunodontia mammalogy 599.734
Bunoselenodontia
mammalogy 599.733
paleozoology 569.733
Bunsen burner prac. chem 542.44
pump pneumatics 533.5
Bunts pathologic bot. 581.2324
(Tilletiaceae) " 589.2272
Bunyan, John Eng. fict. 823.42
Bunyoro history 967.616
Buonarroti, M A It. drama 852.51
Buoyancy hydrostatics 532.3
Buoys harbor engineering 627.9
public health 614.865
ship outfit 623.86
Burbling aerodynamics 629.13232
Burchiello, Domenico
di Giovanni It. wit 857.21
Bur-clover (Fabaceae)
field crops 633.31
Burdach, tract of anat. 611.8261
Burdette, R J Amer. wit 817.43
Burdock (Carduaceae) bot. 583.5533
Bureau co., Ill history 977.337
Bureaucracy administration 351.1
Bureaus
educational research 370.78
employment
see Employment bureaus
government architecture 725.132
societies, ass'ns, etc.
in fields not specified
[2] see subj. —06
Buretsu Japanese history 952.0135
Burettes
gas volumetric anal. 545.7
practical chemistry 542.35
Burgenland history 943.6
Burglar alarms signals 654.7
Burglary criminal law 343
insurance bus. 368.82
Burgoyne's campaign
American revolution 973.3332–3
Burgunder grape vitic. 634.8543
Burgundians hist., anc. 936.311
Burgundy grape vitic. 634.8452
history 944.4
Burial
cemetery regulations 718.3
customs sociology 393.1
industrial sanitation 628.542
insurance business 368.45
ordinances 265.8
public health 614.61
societies, cooperative
political economy 334.8
society bldgs archi. 726.46
Buriat
fat rump sheep (Bovidae)
domestic animals 636.385
[4] **language** 494.23
Burke, Edmund Eng. oratory 825.62

Burke co., Ga history 975.865
NC " 975.685
Burking criminal law 343
Burl work archi. dec. 729.67
Burlap manufactures 677.02864
see also special fibers
Burlesque theater 792.2
theaters archi. 725.823
see also Humor and satire
Burlington, city, Ia hist. 977.7961
co., NJ hist. 974.961
Burma history 959.1-.2
Burmanniaceae botany 584.13
Burmese archi. styles 722.43
[4] **language 495.8**
Burned
areas and plant
succession botany 581.524342
in photography f. arts 773.6
Burners for liquid fuel
practical chemistry 542.43
steam boiler furnace 621.18357
Burnett, Mrs F E (Hodgson)
American fiction 813.48
Burnett co., Wis history 977.514
process phot. 772.45
Burney, Frances Eng. fict. 823.66
Burning turf fertilizers 631.831
Burning-
bush (Celastraceae) bot. 583.272
(Chenopodiaceae)
botany 583.914
(Rutaceae) " 583.23
(Urticaceae) " 583.9621
glass optics 535.81
Burnings student life 371.89
war customs 399
Burnishers photography 771.45
Burnishing phot. prints 770.2846
Burns, Robert Eng. poet. 821.67
surgery 617.11
Burnside, A E, expedition
in NC, 1862 US Civ. war 973.7324
Burnsides toilet 391.5
Burnt River Mts, Ore
description 917.9575
Bur-pickers textile indus. 677.02851
see also special fibers
Burr, Aaron, conspiracy
criminal trials 343.1
US history 973.48
Bur-reed (Sparganiaceae) 584.612
Burro (Equidae) dom. anim. 636.182
Burroughs, John
Amer. essays 814.41
Bursa history 956.1
ancient 939.25
Bursae anatomy 611.75
pathology 616.76
Burseraceae botany 583.247
Burt co., Neb history 978.224
Burying beetle
(Clavicornia)
entomol. 595.763
grounds, *see*
Cemeteries
Bus garages architecture 725.386
lines business 656
stations architecture 725.317
Buses
local transit 388.3
motor vehicle operation 629.2833
vehicles 629.2223
Bush
clover, Japan (Fabaceae)
field crops 633.364
fruits agriculture 634.7
grape viticulture 634.8436
harrow farming 631.3131
herbs botany 582.147
squash (Cucurbitaceae)
garden crops 635.621
Bushel metrology 389
Bushes botany 582.172
Bushing ordnance 623.4242
[4] **Bushmen, African, language 496.2**
Bush-scythe farm tools 631.3117
Bushu history 952.137
Bushy grape viticulture 634.8481
Business
arithmetic mathematics 511.8
buildings architecture 725.2
correspondence office econ. 651.7
cycles
and crime sociology 364.26
commerce 380.124
production 338.54
versus secular trends
production 338.53
districts city planning 711.552
English office economy 651.74
ethics 174.4
gov't control of sociol. 380.168152
law jurisprudence 347.7
letters office economy 651.75
management 658
manuals 658.02
men 650.69
biography 926.5
methods in special indus. 658.9
ownership & control of
sociology 380.165

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Business (cont.)
panics commerce 380.1242
practise forestry 634.92824
profits taxation 336.243
representation legis. 328.3344
suffrage 324.227
risk loans fin. econ. 332.745
schools **650.71**
sociology **380**
streets city planning 711.73
local city plan. 711.74
style in indus. manage. 659
subjects in curriculum
education 375.65
useful arts **650**
virtues & vices ethics **174.4**
Busoga history 967.615
Busrah, *see* Basra
Buster farm tools 631.3126
Busts art anatomy 743.494
sculpture 731.74
Busy work
kindergarten methods 372.213
Butcher shops dom. econ. 641.49
Bute history 941.39
Butjading sheep (Bovidae)
domestic animals 636.3314
Butler, Samuel Eng. wit 827.42
co., Ala history 976.137
Ia " 977.729
Kan " **978.188**
Ky " 976.9755
Mo " 977.893
Neb " 978.232
O " **977.175**
Pa " 974.891
Butler's pantry dom. econ. 643.45
Butlers domestic economy 647.25
Butomineae botany 584.73
Buttant arches
architectural constr'n 721.426
Butte co., Calif. history 979.432
Ida " 979.659
Butter
analysis dairy industry 637.227
and nutrition physiol. 612.39286
artificial chem. tech. 664.3
dairy indus. **637.28**
state inspection **614.325**
as food domestic econ. 641.14
composition dairy indus. **637.22**
diseases " " 637.26
factories " " 637.231
grades " " 637.223
impurities " " 637.26
Butter (cont.)
industry agriculture **637.2**
prices dairy indus. 637.2185
properties " " 637.221
renovation " " 637.27
residues " " 637.24
sculpture fine arts 731.256
state inspection 614.325
testing dairy industry 637.225
utilization of
dairy industry **637.24**
Butter-and-eggs
(Scrophulariaceae) bot. 583.81
Buttercup
(Ranunculaceae) botany 583.111
(Rosaceae) " 583.37
Butter-fat in milk physiol. 612.66413
Butterflies
(Rhopalocera)
agricultural pests 632.789
paleo-entomology 565.789
sculpture equipment 731.3
Butteries architecture 728.93
Butterin
see Butter, artificial
Buttermaking dairy indus. **637.233**
Buttermilk
dairy industry 637.247
state inspection 614.324
Butternut
blight (Melanconiales)
botany 589.243
(Caryocaraceae) botany 583.1665
(Juglandaceae) nucic. 634.518
Butterwort
(Lentibulariaceae) bot. 583.825
Butterworth history 968.675
Button button games 793.76
Button-
bush (Rubiaceae) botany 583.52
snakeroot (Apiaceae)
botany 583.481
(Eupatoriaceae)
botany 583.5544
weed (Carduaceae) bot. 583.5533
(Malvaceae) " 583.172
(Rubiaceae) " 583.52
wood (Combretaceae) " 583.414
(Platanaceae) " 583.971
(Rubiaceae) " 583.52
Buttons
clothing industry 687.8
costume 391.4
door & window constr'n 721.88

Buttress
arches archi. constr'n 721.426
towers architecture 725.975
Buttresses
architectural constr'n 721.372
flying archi. constr'n 721.426
continuous
arched constr'n 721.455
Butts co., Ga history 975.8585
Buxaceae botany 583.293
Buxbaumiales " 588.2122
Buxbaumiinales " 588.212
Buying
business management 658.7
methods indus. manage. 658.72
Buzen history 952.251
Buzz games 793.76
Buzzard
(Falconidae) ornithol. 598.91
state (Ga) history 975.8
Buzzard's nose
(Phallineae) botany 589.2215
Buzzerphone syst. radio 621.3841592
Buzzers library equip. 022.94
radio 621.3841335
Buzzers (cont.)
signals 654.9
Bwenza history 967.25
Byblidaceae botany 583.392
Bylaws and regulations
of ass'ns, soc., etc.
in specified fields
[2] see subject —06
see also Constitution & bylaws
Byles, Mather Amer. wit 817.13
By-products
industrial storage 658.7854
textile manufactures 677.0288
see also special fibers
Byron, G G N Eng. poet. 821.76
Byssaceae botany 589.19
Byssolomaceae " 589.171
Byssus silk textile mfg 677.453
Byzantine
architectural styles 723.2
art 709.495
Christian 704.9483
" eccles. 246.1
churches architecture 726.52
domes arched constr'n 721.46
empire history 949.5

C

COD business methods 658.881
Cabala philosophy 181.3
Cabalism occultism 133
Caballero, Fernán, *pseud.*
Spanish fiction 863.53
Cabarets architecture 725.71
Cabarrus co., NC history 975.672
Cabbage
dog- (Cynocrambaceae)
botany 583.9152
turnip-rooted
(Brassicaceae)
garden crops 635.126
Cabbages (Brassicaceae)
garden crops 635.34–.36
Cabell co., WVa history 975.442
Cabenda history 967.31
Cabernet grape Fr. vitic. 634.8544
Ger. " 634.8543
Cabet doctrines socialism 335.23
Cabin aircraft constr'n 629.13434
Cabinet
council English gov't 354.4205
factories architecture 725.444
members
empire Ger. gov't 354.43034
French gov't 354.4404
in legislative bodies 328.3321
state Ger. gov't 354.43072
United States gov't 353.05
see also Ministers
Mountains, Ida history 979.696
organ music instr. 786.9
system of filing
office records 651.542
windows archi. constr'n 721.845
work
arts & crafts 745.51
carpentry 694.7
furniture 684

Cabinets
file library furniture 022.916
museum collections 069.57
office furniture 651.236
for specimens
biol. collecting 579.71
museum economy 069.31
radio equipment 621.38413388
Cabins architecture 728.92
Cable
conducting manufactures 677.73
railroads commerce 385.66
engineering 625.5
local transit 388.4
stations archi. 725.315
Cablelaying ships shipbldg 623.828
Cables
and radio traffic 621.38419216
electric transmission 621.31934
manufacturing 677.7
ship outfit 623.86
strength of engineering 620.11288
submarine business 654.5
telegraphy 621.3828
suspension bridge eng. 624.55
telegraph business 654.4
sociology 384.4
telephony 621.38784
Cabling
machinery textile equip. 677.02852
see also special fibers
textile process 677.02822
see also special fibers
Cabombaceae botany 583.118
Cabot, John & Sebastian
American history 973.17
Cabotage commerce 387.524
Cabrera history 946.7
Cabs local transit 388.3
Cabstands city planning 711.73
Cabuja (Amaryllidaceae)
fiber crops 633.573
Ca'canny economics 331.8934
Cacao (Sterculiaceae)
field crops 633.74
see also Cocoa
Cacomistle (Procyonidae)
mammalogy 599.74443
Cactaceae botany 583.471
Cactaceous fruits agric. 634.775
Cactus (Cactaceae)
field crop 633.39
Cadalso, José Sp. poet. 861.42
Cadastration pub. fin. 336.222
Caddis-flies (Trichoptera)
agricultural pests 632.745
Caddo co., Okla history 976.641
parish, La. " 976.399
Cadets military science 355.07
Cadiz history 946.8
Cadmium chemistry 546.48
processes phot. 772.85
Cadmium-lead accumulators
electric engineering 621.35558
Caedmon Anglo-Saxon poet. 829.2
Caen hist. 944.22
Caermarthen " 942.98
Caernarvon, Wales " 942.92
Caesalpinioideae botany 583.323
Caesar, C J
calendar chronology 529.42
Latin literature 878.1
Caesarian section
obstetrics 618.86
Caesars Roman history 937.06
Caesium chemistry 546.36
Caesius, Phillippus
German poetry 831.56
Cafés architecture 725.71
city planning 711.662
cookery 641.572
table systems 642.5
Cafeterias
architecture 725.71
cookery 641.572
domestic economy 647.95
industrial architecture 658.237
laboring classes 331.835
school education 371.716
table systems 642.57–.58
Caffein
and nervous syst. hyg. 613.83
diuretics 615.761
Cage birds aviculture 636.686
Cages mining 622.68
Cahaba co., Ala history 976.182
Cairns archeology 571.96
Cairo, Egypt history 962.16
Ill " 977.3999
Caisson
disease physiology 612.274
ordnance 623.4314
process architecture 721.172
bridge eng. 624.1572–3
workers hygiene 613.66
Caithness history 941.13
Cajal process photography 778.66
Cake cookery 641.631

Çakta Hinduism 294.561
Calabar history 966.93
Calabash
(Bignoniaceae) botany 583.84
(Cucurbitaceae) " 583.461
Calabria history 945.78
Calais
history 944.27
Eur. w. nav. base 940.453
Calamariales botany 587.212
paleobotany 561.7212
Calamites
botany 587.2
old botany 587.212
paleobotany 561.7212
wedge-leaved
(Sphenophyllales) bot. 587.24
Calamities, *see* Disasters
Calamophyta botany 587.2
Calamopityaceae " 585.954
paleobot. 561.5954
Calamus
(Araceae) botany 584.65
(Palmaceae) fiber crops 633.588
textile indus. 677.545
scriptorius anatomy 611.8185
Calapooia Mts, Ore hist. 979.529
Calaveras co., Calif. " 979.444
Calcaneo-
cuboid ligaments anat. 611.72853
navicular ligament " 611.72851
Calcaneum anatomy 611.71873
Calcarin fissure anatomy 611.81317
Calcasieu
Lake, La. description 917.6352
parish, La. history 976.354
Calcic waters geol., econ. 553.75
Calcimining bldg indus. 698.2
Calcium
and magnesium groups
chemistry 546.4
assimilation botany 581.1335462
chemistry 546.41
cyanamid fertilizers 631.8421
hypochlorite phot. chem. 771.546
light chemic tech. 665.7
photography 771.445
salts and nutrition
physiology 612.39263
Calculating
games recreation 793.74
machines manufacturing 681.14
mathematics 510.78
office equip. 651.264
tables office fittings 651.4655
Calculations bus. manage. 658.083
engineering 620.83
Calculi, biliary physiol. 612.35764
surgery 617.43
renal pathol. 616.62
physiol. 612.4661
salivary " 612.31364
Calculus
mathematics 517
of direction & position
geometry, analytic 516.8
Calcutta history 954.1
Calderón de la Barca, Pedro
Spanish drama 862.35
Caldwell co., Ky hist. 976.9815
Mo " 977.8185
NC " 975.6845
parish, La. " 976.376
Caledon history 968.731
Caledonia co., Vt hist. 974.33
history 941
Calendar
dates folklore 398.331
ecclesiastic
Catholic church 264.021
Greek church 264.0191
Prot. Epis. church 264.031
etc.
reform projects chronol. 529.5
Calendars
advertizing on business 659.137
and almanacs
in specific fields
[2] see subject —059
chronology 529.3
for teachers education 370.59
illustration drawing 741.68
office supplies 651.4668
perpetual office fittings 651.4659
Calender textile equip. 677.02854
Calendering
paper manufacturing 676
textile process 677.02824
see also special fibers
Calendulaceae botany 583.5535
Calf-tongue plow 631.3127
Calhoun, J C Amer. oratory 815.26
co., Ala hist. 976.163
Ark " 976.764
Fla " 975.994
Ga " 975.8956
Ill " 977.385
Ia " 977.743
Mich " 977.422

Calhoun co. (cont.)
Miss. hist. 976.281
Neb " 978.2296
SC " 975.772
WVa " 975.429
Calibrated vessels
practical chemistry 542.35
Calibration
fine mechanisms 681
of elec. instr. eng. 621.372
Caliciaceae botany 589.173
Calico
cotton manufacturing 677.2164
printing presses mfg 681.6256
California
grape viticulture 634.8461
Lower, Mexico history 972.2
mission architecture 724.1794
state
acquisition US hist. 973.621
history 979.4
see note under **Virginia**
Caligraphic etching f. arts 767.2
Calisthenics athletics 796.41
see also Exercise, Gymnastics
Calix floral anatomy 581.463242
Calked joints plumbing 696.6
Callaway co., Mo history 977.8335
Calliopes use in adver. 659.135
Callipterides botany 585.976
paleobotany 561.5976
Callitrichaceae botany 583.253
Callosa grape viticulture 634.8465
Callosum anatomy 611.8139
physiology 612.8261
Calloway co., Ky history 976.992
Calls
personal
library personnel 023.92
office " 651.442
stock & commodity trading 332.64
Calocarpum mammosum
(Sapotaceae) fruitculture 634.432
Calomniaceae botany 588.21414
Calophylloideae
(Guttiferaceae) botany 583.163
Caloplacaceae botany 589.171
Caloric engines mech. eng. 621.41
physics 536
Calorimetry
physiology 612.51
radio resistance
measurements 621.384174
thermology 536.6
Calostomataceae botany 589.2219
Calotypes photography 772.12
Calpurnius Siculus, Titus
Latin lyric poetry 874.6
Caltrop (Zygophyllaceae)
botany 583.221
Calumet co., Wis history 977.566
Calvados history 944.22
Calvaria anatomy 611.7141
Calvaries architecture 726.95
Calvert co., Md history 975.244
Calvin church " 270.6
Calvinia " 968.727
Calvinism vs free will
soteriology 234.9
Calvinist
[1] **church 284.2**
Methodist church in US 287.373
Calvinistic
[1] **Baptist church 286.1**
confession doc. theol. 238.42
doctrine of grace soteriol. 234.112
[1] **Methodist church 287.2**
Calycanthaceae bot. 583.113
Calyceraceae " 583.546
Calyciflorae " 583.3–.497
Calyciflorae-
apopetalae botany 583.26–.497
gamopetalae " 583.51–.591
Calycinae botany 584.4
Calycozoa zoology 593.74
Calymperaceae botany 588.21463
Camano Island, Wash hist. 979.775
Camas
county, Ida history 979.631
Prairie
Big, Ida history 979.631
Little, Ida " 979.629
North, Ida " 979.682
Cambered arches
architectural constr'n 721.413
Camberwell, London hist. 942.16
Cambistry financial econ. 332.45
metrology .389
Cambium
layer vegetable growth 581.13432
vegetable histology 581.814
morphology 581.4133
Cambodia history 959.6
Cambodian archi. styles 722.45
Cambrai Eur. war, 1917 940.4317
history 944.28
Cambrai-St Quentin battle
European war, 1915 940.4243
1918 940.4362

Cambria co., Pa. history 974.877
(Wales) " 942.9
Cambrian period geology 551.72
Cambric
manufacturing 677.02864
see also special fibers
radio insulating material 621.384179101 97
Cambridge
England history 942.59
platform doc. theol. 238.58
school polit. econ. 330.153
turkey (Gallinae) agric. 636.5922
Camden
city, Ark, exped., 1864
US Civil war 973.7363
SC, battle
1st Amer. revol. 973.3363
2d " " 973.3372
history 975.7611
county, Ga history 975.8746
Mo " 977.854
NJ " **974.987**
NC " 975.6135
Camel
(Cameloidea) dom. anim. 636.295
hair industry **677.34**
textiles dom. econ. 646.13
insect (Mantidae)
entomology 595.725
Camellia thea (Theaceae)
field crops 633.72
Camelliaceae botany 583.166
Cameloidea mammalogy 599.7354
Camembert cheese
dairy industry 637.3534
Cameos carving 736.2
photo- f. arts 777.7
Camera
accessories phot. 771.38
fronts " 771.353
hunting sports 799.28
lucida miscroscopy 578.4
optics 535.86
obscura " 535.86
photography **771.31**
reproduction
phot. copying 778.12
stands photography 771.34
Cameralism polit. econ. 330.151
Cameralistics " " **336**
Cameras
aerial phot. 778.35
automatic " 771.3193
color " **778.6**
copying " 771.318
Cameras (cont.)
disguised phot. 771.3136
enlarging " 771.318
folding " 771.314
lensless " 771.3192
miniature " 771.3148
moving picture " **778.53**
multiplying " 771.3191
operation of " 770.282
panoramic " 771.316
photography **771.31**
photomechanical f. arts 771.317
stereoscopic phot. 778.42
Cameron co., Pa hist. 974.866
parish, La. " 976.352
Cameronians
[1] **Reformed Presbyterians** **285.5**
Cameroon, *see* Kamerun
Cames window constr'n 721.848
Camillus *pseud.*
American oratory 815.21
Camisards Fr. Calvinists 284.244
Camomile (Anthemidaceae)
botany 583.5537
Camouflage
military engineering 623.77
science 355.43
service mil. science 358.37
Camouflets ordnance 623.45435
Camp
cookery dom. econ. 641.578
equipment logging 634.982254
establishment mil. eng. 623.21
libraries, military 027.652
life hygiene 613.67
military science 355.12
lunches dom. econ. 642.3
making mil. maneuvers 355.544
tactics 355.412
management logging **634.982253**
meetings relig. revivals 269
organization, temporary
military science 355.415
outfit mil. equip. 355.81
sites mil. sanitation 623.75
Campagna history 945.6
Campaigns
advertizing 659.113
military tactics 355.48
see also names of individual wars and campaigns
political partizanship 329
Campanales botany **583.57**
Campania history **945.72**
ancient 937.7

Campaniles architecture 725.976
Campanulaceae botany 583.59
Campbell
county, Ga history 975.8237
Ky " 976.934
Tenn " 976.872
Va " 975.567
early grape vitic. 634.84709
Campbellites
[1] **Disciples of Christ** 286.6
Campe (Brassicaceae)
garden crops 635.564
Campeche history 972.6
Campenes fowls (Gallinae)
agriculture 636.548
Campenon, F N V Fr. poet. 841.66
Camperdown history 968.45
Campfire
girls bldgs archi. 728.447
libraries 027.628
sociology 369.47
Camphor
(Dipterocarpaceae) bot. 583.167
(Lauraceae) pharmacy 615.323931
therap. 615.789
saps forest products 634.9866
Camping
and forest policy agric. 634.925177
equip. factories archi. 725.413
manufacturing 685.53
forest uses 634.997
privileges park admin. 712.513
recreation 796.54
Campions (Silenoideae) bot. 583.153
Campobasso history 945.71
Campodeidae entomology 595.711
Camps
For specific types see subject; for individual camps see distinguishing names
rural city planning 711.582
tourist city zoning 711.557
training military sci. 355.52
Camptotrichaceae botany 589.83
Campus
college landscape art 712.75
diction univ. & col. 378.014
school premises 371.61
Campynematoideae
(Amaryllidaceae) bot. 584.25
Cams mechanical eng. 621.838
motor vehicle brakes 629.24673
Can system ice-machines 621.581
Canaanitish dialects
literature 892.4
philology 492.47
Canada
crookneck squash
(Cucurbitaceae)
garden crops 635.622
East history 971.4
grape viticulture 634.843209
hemp (Apocynaceae)
field crops 633.567
history 971
Lower history 971.4
Upper " 971.3
West " 971.3
Canadian
blueberry (Vacciniaceae)
fruitculture 634.735
campaigns
1812–14 US hist. 973.523
Amer. revolution 973.3315
county, Okla hist. 976.639
English literature 819
see also notes under 810 & 820
French dialect 447.9
literature 848.99791
goose (Anseres) agric. 636.59881
philosophy 191.9
rebellion, 1837–38
Canadian history 971.038
River, Okla history 976.61
Lower hist. 976.67
Canaigre (Polygonaceae)
field crops 633.871
Canal
boats canal eng. 626.6
shipbldg 623.829
companies commerce 386.4
company land grants
public finance 336.14
rays electricity 537.53
Canalicular bone histol. 611.01843
Canaliculi, biliary anat. 611.361
Canalization
pneumatic clockwork 681.1151
Canalized rivers commerce 386.34
Canals
agricultural drainage 631.62
city planning 711.762
commerce 386.4
engineering 626
interoceanic eng. 626.9
irrigating agric. 631.72
landscape art 714.4

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Canals (cont.)
military resources 355.27
naturalistic
landscape art 714.24
transport business 656
vs railways railroads 385.1264
transport of ships
by rail commerce 386.4125
see also qualifying or specific terms
Canandaigua grape vitic. 634.84709
Canary
bird flower
(Tropaeolaceae) bot. 583.225
birds
(Acromyodi) aviculture 636.686
grasses (Phalarideae)
field crops 633.267
islands, Africa history 964.9
Spain " 946.8
Canberra, Australia hist. 994.7
Cancelation tests psychol. 151.23
Cancellated bone histol. 611.01843
Cancer cells physiology 612.014
occult astrology 133.522
pathology 616.994
Cancioneros, Los Sp. poet. 861.25
Candelabra architecture 729.98
Candia history 949.98
ancient 939.18
Candicans, Vitis agric. 634.8467
Candid cameras
films for phot. chem. 771.5325
photography 771.3132
Candidacy suffrage 324.23
Candidates, conferences on
suffrage 324.233
Candies chemic technology 664.1
Candle flame prac. chem. 542.51
Candlelight phot. f. arts 771.4433
Candlepower elec. lighting 621.321
Candler co., Ga history 975.877
Candles chemic tech. 665.1
dom. lighting 644.311
Candlesticks
ceramic fine arts 738.83
domestic lighting 644.321
Candlewood
(Fourquieraceae) bot. 583.762
Candolleaceae botany 583.571
Candor ethics 177.3
Candy adulterations 614.311
Candymaking cookery 641.85
Cane
costume 391.4
fruits (Rosaceae) agric. 634.71
sugar- (Andropogoneae)
field crops 633.61
harvesters agric. 631.3586
harvesting 631.5566
Canebrake counties
Alabama history 976.14
Canellaceae botany 583.137
Caney, Cuba, battle, 1898
US history 973.893
Canidae mammalogy 599.74442
Canister ordnance 623.45122
Canker-worm
(Geometrina) entomology 595.785
Cannabinaceae botany 583.9623
Cannaceae " 584.212
Cannajola grape vitic. 634.8545
Canned food
state inspection 614.318
Cannel coal geol., econ. 553.23
Cannibalism war customs 399
Canning meth. chem. tech. 664.8
Cannon co., Tenn history 976.8535
fine arts 739.74
ordnance 623.42
Cannonade games 795.2
see also Bombardment
Cano y Olmedilla
R F de la Cruz Sp. drama 862.43
Canoe clubs architecture 725.87
polo sports 797.25
Canoeing sports 797.122
Canoes shipbuilding 623.829
Canon law jurisprudence 348
music 781.4
of Scripture Bible 220.1
Cañon grape viticulture 634.8438
Canonization doc. theol. 235
Canons, church
ecclesiastic polity 262.6
Cañons physiography 551.48
Canopies architecture 729.934
Canopy
porches archi. constr'n 721.867
seats manufacturing 685.537
Cant ethics 179.8
see also Slang
Cantal history 944.592
Cantaloup (Cucurbitaceae)
garden crops 635.611
Cantatas orchestral music 785.21
sacred " 783.4
secular " 782.8

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Canted roofs
architectural constr'n 721.587
Canteens manufacturing 685.516
military equip. 355.81
Canterbury convocation
sectarian history 283.42
Cantharides (Heteromera)
therapeutics 615.774
toxicology 615.94
Canthi anatomy 611.847
Canticle of canticles Bible 223.9
Canticles sacred music 783.65
Cantigny European war 940.4343
Cantilever foundations
architecture 721.167
Cantilevers bridge eng. 624.35
Canton, China history 951.275
Ohio " 977.1621
Cantonal ownership of land
political economy 333.124
Cantonments architecture 725.186
mil. estab. 355.71
Cantù, Cesare It. fict. 853.76
Canvas
manufacturing 677.02864
see also special fibers
surfaces painting, art 751.227116
Canvassing
advertizing 659.158
bookselling 655.57
for adver. lit. bus. 659.133
sales methods 658.847
Canyon co., Ida history 979.623
Canzonets vocal music 784.35
Caoutchouc, *see* Rubber
Cap and gown
academic univ. & col. 378.29
root anatomy 581.4982
Capacelli Albergati
Francesco It. drama 852.63
Capacity
legal private law 347.1
meters
electric engineering 621.3742
radio measurements 621.384172
radio circuits 621.3841253
shipbuilding 623.81
suffrage requisites 324.14
tests schools 371.26
special psychol. 151.223
Cape Breton co., NS hist. 971.695
island " 971.69
Fear section, NC " 975.62
Girardeau co., Mo " 977.896
Cape (cont.)
May co., NJ hist. 974.998
Mount " 966.62
of Good Hope
Colony " 968.7
Palmas " 966.67
swine (Suidae)
domestic animals 636.486
Town co. hist. 968.711
Verde islands " 966.58
Senegal " 966.32
Capers (Capparidaceae)
field crops 633.845
Capet, house of Fr. hist. 944.021-.024
Capillaries
biliary anatomy 611.361
blood " 611.15
lymphathic " 611.42
pressure in physiology 612.145
Capillarity physiol. bot. 581.1152
Capillary
analysis chemistry 544.92
attraction & repulsion
chemistry 541.321
of solutes 541.341
physics 532.6
moisture agric. soil 631.432
Capital
accumulation polit. econ. 339.24
and income " " 339.3
labor
admin. regulation 351.83
differences between
economics 331.15
disputes between
economics 331.89
economics 331.1
borrowed business fin. 658.148
levy public finance 336.253
owned business " 658.147
political economy 339
punishment crim. law 343.2
representation
in gov't production 338.91
legislature 328.32434
suffrage 324.227
sources of business fin. 658.141
working " " 658.153
Capitalism
and economic planning
production 338.91
political economy 330.15
Capitalist production
and crime sociology 364.26
economics 338.65
Capitalists 338.069
[1] **biography 923.3**

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Capitalization
basis of business finance 658.146
[3] English language 421.9
financial economics 332.63
of income wealth appraisal 339.3
office correspondence 651.74
Capitals city planning 711.451
Capitation tax
immigration 325.153
political economy 336.251
Capitatum anatomy 611.71777
Capitol grounds lands. art 712.58
Capitols
columnar construction 721.38
public bldgs archi. 725.11
city plan. 711.661
Capitulations
foreign relations 327
international law 341.7
Capon (Gallinae) agric. 636.513
Springs, WVa hist. 975.495
Caporali, Cesare It. wit 857.43
Caporetto-Isonzo campaign
European war 940.4322–4
air raids 940.447
Cappadocia hist., ancient 939.34
Capparidineae botany 583.13
Capparidioideae " 583.131
Cappellano, Jean Fr. poet. 841.44
Capponi, G A G G It. essays 854.75
Capra (Bovidae) dom. anim. 636.39
Capricornus occult astrol. 133.522
Caprifoliaceae botany 583.511
Capriola dactylon
(Chlorideae) field crops 633.261
Caps
door & window constr'n 721.865
indoor domestic econ. 646.48
manufacturing 687.4
outdoor domestic econ. 646.5
percussion chem. tech. 662.4
Capsicum field crops 633.842–.843
Capstans mechanical eng. 621.864
Capsula interna anatomy 611.8137
Captains military science 355.33
Captives law of war 341.3
war customs 399
Captivity military life 355.113
Capture of animals zootech. 636.08111
Captures law of war 341.3
Capuana, Luigi It. fict. 853.83
Capuchins Franciscans 271.36
Caput gallinaginis anat. 611.6231
Car cards advertizing 659.134
factories architecture 725.454
houses, railway archi. 725.33
wiring elec. traction 621.3345
Carabao (Bovidae)
dom. anim. 636.2932
Carabine, *see* Carbines
Caranza process phot. 772.312
Caranza-Civiale process
photography 772.12
Caraunda (Apocynaceae)
fruitculture 634.744
Caravaning recreation 796.53
Caravans commerce 388.3
transport business 656
Caravanseri architecture 728.53
Caravels shipbuilding 623.8225
Caraway (Apiaceae)
garden crops 635.75
Carbid arcs elec. lighting 621.3256
tanks phot. " 771.445
Carbineers cavalry 357.16
Carbines ordnance 623.442
Carbographs photography 773.122
Carbohydrates
absorption in intestine
physiology 612.33272
and intestinal digestion
physiology 612.3221–2
muscular contraction
physiology 612.74423
nutrition physiol. 612.396
pancreatic digestion
physiology 612.3421–2
as food dom. econ. 641.13
chemistry of blood 612.122
formation of metabolism
physiologic 612.3964
in intestinal digestion
physiology 612.3322
muscle physiology 612.74411
products of metabolism
physiologic 612.39621
value, thermodynamic
physiology 612.3965
Carbohydrous inversion
metabolism, physiologic 612.39632
Carbolic acid disinfection
public health 612.485
Carbon
and nutrition physiol. 612.3921
assimilation botany 581.13352

Carbon (cont.)
compounds and pollution
pub. health 614.721
pharmacy 615.31
organic chem. 547
copies office letter file 651.677
county, Pa history 974.826
dioxid, *see* Carbonic acid
disulfid process
silk industry 677.463
treatment
prac. chem. 542.6
filaments elec. lighting 621.3263
group chemistry 546.25
metabolism physiol. chem. 612.01532
monoxid and blood physiol. 612.11114
pencils drawing 741.22
processes
photoceramic f. arts 773.6
photography 773.1
photointaglio phot. 777.1
series geology, econ. 553.2
transfer processes phot. 773.123
vapor lamps
electric lighting 621.3275
Carbonari polit. ass'ns 363
Carbonated waters
adulterations 614.348
chemic technology 663.6
economics 338.374
hygiene 613.38
Carbonates mineralogy 549.78
Carbonic acid
and air pollution
pub. health 614.722
muscular contraction
physiology 612.74422
chemistry of blood 612.1273
effect on plants bot. 581.5222723
in asphyxiation physiol. 612.2324
respiration " 612.22311
machines refrigeration 621.574
production physiol. bot. 581.12134
toxicology 615.96
Carboniferous period geol. 551.75
Carbonous oxid
in respiration physiol. 612.234
Carbons arc lighting 621.3257
Carborundum abrasives 621.92
Carboxyhemoglobin physiol. 612.11114
Carbro
processes photography 773.125
solutions phot. chem. 771.548
Carbuilding industry 699
Carburetor mot. veh. engine 629.2533
Carburetted
air heating prac. chem. 542.44
hydrogen and pollution
public health 614.722
Carcano, Giulio It. fict. 853.77
Carcassonne history 944.87
Card
fortune telling psychol. 133.324
games recreation 795.4
holders archi. constr'n 721.894
playing ethics 175.5
halls archi. 725.84
pockets library economy 025.255
system lit. methods 029.1
office records 651.513
trays office fittings 651.4658
tricks recreation 795.43
Cardamine (Brassicaceae)
garden crops 635.562
Cardboard surfaces
painting 751.228
Cardia anatomy 611.333
Cardiac
contractibility physiol. 612.172
contraction " 612.171
irritability " 612.172
nerves anatomy 611.83914–15
superior anat. 611.831915
plexus anatomy 611.83917
reflexes physiology 612.1786
rhythm " 612.1722
valves anatomy 611.1263
physiology 612.1713
veins anatomy 611.142
Cardiff giant humbugs 133.775738
Cardigan history 942.95
Cardinal veins anatomy 611.144
Cardinal-flower
(Lobeliaceae) botany 583.591
Cardinals eccles. polity 262.13
sectarian hist. 282
Carding textile process 677.02821
see also special fibers
Cardiography physiology 612.1711
Cardoon (Carduaceae)
garden crops 635.327
Cards
car advertizing 659.134
engraving 769.5
for Jacquard looms mfg 677.8
greeting drawing 741.68

Cards (cont.)
library catalogs 025.3
mailing direct adver. 659.133
playing recreation 795.4
textile equipment 677.02851
see also special fibers
Carduaceae botany 583.5533
Carducci, Giosuè It. poet. 851.84
Care of person toilet 646.7
Carelius, O P Swed. poet. 839.7141
Cargados islands history 969.84
Cargo capacity shipbldg 623.81
line service
ocean transport 387.5442
vessels shipbldg 623.824
Caria history, ancient 939.24
Caribaea de Candolle
vitis agriculture 634.8463
Caribbean Sea
and Gulf of Mexico route
commerce 387.5225
history **972.9**
physiography 551.463
Caribou
(Cervidae) dom. anim. 636.294
county, Ida history 979.645
nat'l forest, Ida descr. 917.9644
Range, Ida history 979.653
Caricaceae botany 583.462
Caricatures adver. copy 659.1323
drawing **741.5**
newspapers 070.44
photography 778.8
Carignan grape viticulture 634.8544
Carillons clockwork 681.1123
music instr. 789.5
Carinthia history 943.66
Eur. w. 940.4248
Carinthian sheep (Bovidae)
domestic animals 636.3336
Carissa carandas
(Apocynaceae) fruiteult. 634.744
Carl, *see* Carlos, Charles, Karl
Carlén, Emilia (Smith)
Flygare Swedish fict. 839.7365
Carleton, William Amer. wit. 817.45
co., NB hist. 971.552
Ont. " **971.383**
Carlist wars Spanish " 946.07
Carlisle co., Ky history 976.997
Carlos 1, *see* Karl 5
2 Spanish history 946.053
3 " " 946.057
4 " " 946.058
Carlovingian legends
folklore 398.22
Carlow history 941.88
Carlson, F F Swedish lit. 839.7864
Carlton co., Minn history 977.673
Carludovica palmata
(Cyclanthaceae) fiber crops 633.584
Carlyle, Thomas Eng. essays 824.82
Carman grape viticulture 634.845509
Carmarthen history 942.98
Carmelites
Monastic orders 271.73
religious sisterhoods 271.971
Carmenere grape viticulture 634.8544
Carnarvon
Cape Colony history 968.7465
Wales " 942.92
Carnations (Caryophyllaceae)
botany **583.152**
Carneades philosopher 186.2
Carnegie
institution education 378.32
pension fund teachers 371.17
Carniola history 943.67
Carnivals recreation **791**
social customs 394.25
Carnivora mammalogy **599.74**
Carnivorous plants
vegetable ecology 581.53332
Carnot, M E S presidency 944.08
Carob (Caesalpiniaceae)
fruiteulture 634.462
Carol sacred music **783.6**
Carolean furniture f. arts 749.222
Carolina
allspice (Calycanthaceae)
botany 583.113
jessamin (Loganiaceae)
botany 583.74
Transvaal history 968.24
Caroline affair, 1837
US history 973.57
co., Md history 975.231
co., Va " 975.536
islands " 996.6
Carolingian archi. styles **723.4**
Carolingians French hist. 944.01
German " 943.021
Carols library bldg 022.52
Carom recreation 794.7
Carophyllineae botany **583.15**

Carotid ganglion anatomy 611.83915
gland " 611.47
physiology 612.495
plexus
internal anatomy 611.83912
plexuses " 611.83913–14
Carotids anatomy 611.133
Carotinoid secretion bot. 581.14444
Carotinoids in
photosynthesis
physiol. bot. 581.13342
Carp (Physostomi) ichthyol. 597.55
Carpal joints anatomy 611.7274
middle anat. 611.72754
Carpathian
Mountains
hist., European war 940.4253
Ruthenia history 943.74
see also Ukraine
swine (Suidae) dom. anim. 636.432
Carpathos history 949.97
ancient 939.17
Carpels floral anatomy 581.463253
Carpenter shops archi. 725.442
Carpentry bldg industry 694
stereotomy 515.82
Carpet beds lands. art 716.163
herbs botany 582.143
Carpets arts & crafts 745.52643
domestic economy 645.1
hygiene of dwellings 613.593
interior dec. 747.42
manufacturing 677.643
office furnishing 651.2413
Carpetweed (Aizoaceae) bot. 583.475
Carpoascomycetes " 589.233
Carpocapsa pomonella
(Microlepidoptera)
agricultural pests 632.782
Carpocratian heresy
church history 273.1
Carpometacarpal joints
anatomy 611.7276
Carpomyceteae bot. 589.2
Carposporeae (Algae) " 589.4
(Fungi) " 589.21
Carpospores veget. embryol. 581.32543
Carpus anatomy 611.7177
Carquebas grape vitic. 634.8544
Carrér, Liugi It. poetry 851.76
Carrera, Valentino
Italian drama 852.83
Carriage driving
horsemanship 798.64
factories archi. 725.451
Carriage (cont.)
horse (Equidae)
domestic anim. 636.14
horsemanship 798.6
houses archi. 728.949
farm econ. 631.24
trimmings mfg 677.76
Carriages
agricultural vehicles 631.373
local transit 388.3
manufacturing 684
motor vehicles 629.222
operation 629.283
ordnance 623.43
care of mil. eng. 623.4813
traction of ballistics 623.58
Carriageways
landscape construction 713.72
Carrier pigeons
see Message carrying
pigeons
Carriers
cash- mechanical eng. 621.8679
common law 347.7
hay- agriculture 631.3535
mechanical lib. equip. 022.944
office equip. 651.268
motor vehicle equipment 629.274
sewage irrigation 628.366
Carroll co., Ark hist. 976.717
Ga " 975.839
Ill " 977.3345
Ind " 977.294
Ky " 976.937
Md " 975.277
Miss. " 976.263
Mo " 977.8225
NH " 974.24
O " 977.167
Tenn " 976.825
Va " 975.5714
parishes, La. " 976.382–.383
Carrot (Apiaceae)
field crops 633.43
garden " 635.13
Carrying
appliances agriculture 631.3731
training for zootechny 636.08861
Cars
aircraft construction 629.13434
mining 622.63
private, express charges
railways 385.132393
rolling stock 625.22
see also qualifying or specific terms

Carso plateau Eur. w., 1916 940.4274
1917 940.4322–3
Carson City, Nev history 979.3
Cart horse (Equidae)
domestic animals 636.15
Cartagena history 946.7
Cartels
industrial production 338.83
international " 338.88
law of war 341.3
Carter co., Ky history 976.928
Mo " 977.889
Okla " 976.658
Tenn " 976.8984
Carteret co., NC " 975.6197
Carteromaco, Niccolò, *pseud.*
Italian wit 857.58
Cartesian geometry 516
Cartesianism philosophy 144
Carthage history, ancient 939.73
Carthaginian
architectural styles 722.32
language 492.67
literature 892.6
wars Roman history 937.04
Carthusians monastic orders 271.71
Cartier, Jacques Amer. hist. 973.18
Cartilage histology 611.0183
physiology 612.7512
Cartilages
anatomy 611.72
laryngeal anatomy 611.221
see also Joints, Ligaments
Carting charges, express
railways 385.132391
Cartograms, statistical 311.26
[1] **Cartographic coll'ns maps 912**
Cartography map making 526.8
mech. drawing 744.428
topography 526.98
see also Maps
Cartomancy divination 133.324
Cartoons
advertizing copy 659.1323
caricatures 741.5
drawings 741.6
moving picture drawing 741.58
photog. 778.58
newspapers 070.44
Cartridge boxes mfg 685.514
Cartridges ordnance 623.4553
Carts, hand- agriculture 631.3734
local transit 388.3
Carum carvi (Apiaceae)
garden crops 635.75
Carved decoration archi. 729.5
Carver co., Minn history 977.653
Carving at table dom. econ. 642.6
fine arts 736
roof construction 721.563
Carya (Juglandaceae) nucic. 634.52
Caryatids architecture 729.326
Caryocaraceae botany 583.1665
Caryophyllus jambos
(Myrtaceae) fruitculture 634.422
Casa, Giovanni della
Italian poetry 851.38
Casa de ayuntamiento archi. 725.137
Casablanca history 964.3
Casamanza basin " 966.34
Cascade
alternators radio 621.3841314
Mountains history 979.51
northern, Wash hist. 979.75
nat'l forest, Ore. descr. 917.9531
Cascades
artificial lands. art 714.35
landscape art 714.24
Cascara (Rhamnaceae) bot. 583.2791
Case
histories
in specific fields
[2] see subject —092
method education 371.36
shot ordnance 623.45122
study criminology 364.3018
Casein
in lactic secretion
physiology 612.66434
milk dairy industry 637.1273
physiology 612.66414
painting medium 751.242
photographic chemistry 771.58
plastics
chemic technology 668
radio insulating material 621.38417910198
silk industry 677.472
Casemate
mounts ordnance 623.4331
sashes window constr'n 721.848
Casemates fortifications 623.123
window constr'n 721.846
Casernes architecture 725.182
Caserta history 945.72
Cases
and statutes Eng. law 346
US " 345
book library buildings 022.4
office equipment 651.234
clockworks 681.112
English etymol. 422.5–.7
[3] other lang. —25–27

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Cases (cont.)
English syntax 425.5–.7
[3] other lang. —55–57
special lib. shelving 022.48
Casey co., Ky history 976.966
Cash
dividends fin. manage. 658.156
payment business meth. 658.881
wages 331.211
registers manufacturing 681.145
office equip. 651.264
Cashew (Anacardiaceae)
family fruitculture 634.44
nuciculture 634.573
Cashiers office economy 651.3742
Cashmere history 954.6
Cashmere goat (Bovidae)
domestic animals 636.39854
hair industry 677.3364
Casimiroa edulis
(Sapotaceae) fruitculture 634.343
Casing steam boilers 621.18454
turbines 621.16538
Casino card games 795.41
Casinos architecture 725.78
landscape art 717.682
Caspian Sea history 947.8
Cass co., Ga " 975.8365
Ill " 977.3465
Ind " 977.286
Ia " 977.772
Mich " 977.412
Minn " 977.686
Mo " 977.842
Neb " 978.227
Casseroles kitchen equip. 643.35
Cassi, Francesco It. poet. 851.65
Cassia co., Ida history 979.639
Cassiaceae botany 583.323
Cassinoid
geometry, Cartesian 516.26
Cassowary (Casuariidae)
ornithology 598.53
Cast iron archi. constr'n 721.91
bldg industry 691.7
strength of eng. 620.17
Castanea (Fagaceae)
forestry 634.9724
nuciculture 634.53
Castanets musical instr. 789.4
Caste Brahmanism 294
ethics 177.5
sociology 323.3
Castelar y Ripoll, Emilio
Spanish oratory 865.52
Castellated Gothic archi. 724.34207
Castellazzo, Luigi It. fict. 853.81
Castelvetro, Lodovico
Italian essays 854.41
Casti, G B Italian wit 857.63
Castiglione, Baldassare
Italian essays 854.33
Castile history 946.3–.4
Castilian fowls (Gallinae)
agriculture 636.561
Castillejo, Cristóbal de
Spanish poetry 861.32
Casting ceramics 738.14
foundries metal mfg 671
metal arts 739.14
museum economy 069.413
numismatics 737.44
sculpture 731.45
Castle
grounds landscape art 712.644
Martin cattle (Bovidae)
domestic animals 636.2236
Rocks, Neb. descr. 917.8295
Castles architecture 728.81
Castor beans fertilizers 631.847
classic mythology 292
Castor-oil plants
(Tricoccae) botany 583.951
Castrametation
military maneuvers 355.544
tactics 355.412
Castrated stock zootechny 636.08234
Castration, female physiol. 612.6211
male " 612.6161
surgery 617.46
Castro y Bellvis
Guillem de Sp. drama 862.32
Casts
museum sculptures 069.473
plaster, from photoreliefs
fine arts 777.5
Casualty
insurance business 368.5
lists Eur. w. memorials 940 467
protection pub. health 614.8
Casuariidae ornithology 598.53
Casuarinaceae botany 583.975
Casuistry ethics 171.6
Caswell co., NC history 975.6575
Cat and dog cemeteries
landscape art 718.8
(Felidae) mammalogy 599.74428
grape viticulture 634.8433
[1] **Catabaptists sect. hist. 284.3**
Catabolism biology 574.12
physiol. bot. 581.12
zool. 591.12

Catacomb symbols eccles. 246.5
Catacombs, art of the
fine arts 704.9483
cemeteries 718.67
mortuary archi. 726.84
Roman antiq. 913.376
Catahoula Lake, La. descr. 917.6375
parish, La. hist. 976.374
[4] **Catalan language 449.9**
literature 849.9
Catalepsy
artificial hypnotism 134.52
psychology 132.4
Catalog dept lib. admin. 025.3
Catalogers lib. econ. 023.74
Cataloging duplicates
library economy 025.263
Catalogs
and lists
in fields not specified
[2] see subject —0838
commercial
direct advertizing 659.133
of clothing dom. econ. 646.3085
in specific fields
[2] see subject —085
see also Catalogs, trade
educational publications 370.58
general bibliography 017–019
library administration 025.3
museum guide books 069.53
of brands zootechny 636.08128
individual authors
bibliography 012
music fine arts 781.97
sales zootechny 636.08188
special classes of
authors bibl. 013
stars
astron. coll'ns 524.8
astronomy 523.89
public access to library 024.54
stock farm zootechny 636.08187
student publications 371.805
[1] **univ. & col. 378**
subject bibliography 016
thematic music 781.9735
[1] **trade bibliography 015**
see also Catalogs
commercial
universal 011
university & college 378
see also Bibliography
Catalonia history 946.7
Catalpa (Bignonaceae) bot. 583.84
Catalysis botanic chem. 581.193
chemistry 541.39
Catalysotypes photography 772.16
Catalytic analysis chem. 545.36
Catamarans
aircraft construction 629.1343842
shipbuilding 623.8212
sports 797.124
Catanzaro history 945.78
Cataphoresis therapeutics 615.84
Catapositives
photographic projection 778.25
Catapult shooting sports 799.39
Cataracts ophthalmology 617.74
physiography 551.48
physiology 612.8441
Cataratto grape vitic. 634.8545
Catarrh, autumnal pathol. 616.202
epidemic " 616.203
pathology 616.205
Catarrhal affection of skin
pathology 616.52
Catarrhina mammalogy 599.82
Catascopiaceae botany 588.21412
Catatypes photography 772.19
Catawba co., NC history 975.6785
grape viticulture 634.84709
Catboat shipbuilding 623.822
sports 797.124
Catch basins sewerage eng. 628.255
crop culture agric. 631.584
phrases advertizing 659.12
vocal music 784.1
Catches
door & window constr'n 721.88
Catchflies
(Silenoideae) botany 583.153
Catechetic method educ. 371.35
Catechisms
doctrinal theology 238
Sunday school use of 268.66
Catenary
arches archi. constr n 721.423
mechanics 531.83
suspension
elec. traction lines 621.33223
Caterer domestic economy 642
Caterpillar tractors
motor vehicles 629.2253
operation 629.284
Caterpillars (Lepidoptera)
agricultural pests 632.78
Catgut cords manufacturing 677.74

Cathari
persecutions of, 12 cent.
church history 272.3
sectarian history 284.4
Catharine 1 Russian hist. 947.06
2 " " 947.06
Catharine
wheel windows
archi. constr'n 721.843
Catharsis psychoanalysis 131.3422
Cathartics physiology 612.3344
therapeutics 615.732
Cathay history 951
Cathcart " 968.777
Cathedral
canons eccles. polity 262.3
grounds lands. art 712.76
schools education 377.4
services music 783.2
system eccles. polity 262.3
towns city planning 711.46
Cathedrals architecture 726.6
Cathode
incandescent electron
emission radio 621.38413218
ray oscillograph
radio circuits 621.38413384
measurements 621.38417127
rays electricity 537.53
rectification radio 621.38413233
Cathography photography 778.33
Catholic
apostolic church
sectarian history 289.9
church and education 377.82
doctrinal theology 230.2
in Germany 282.43
Ireland 282.415
Peru 282.85
etc.
Liberal sect. hist. 284.8
modern schisms in
sectarian hist. 284.8
1 **sectarian history 282**
colleges, Ass'n of educ. 377.82
creeds doc. theol. 238.2
epistles Bible 227.9
inquistion church hist. 272.2
orders, monastic 271
sisterhoods relig. orders 271.9
socialism polit. econ. 335.7
Catholicism and
protestantism sect. hist. 282
Cations theoretic chem. 541.2
Catnip (Labiatae) botany 583.891
Cato, Valerius Latin wit 877.2
Catoosa co., Ga history 975.8326
Catopherioideae (Labiatae)
botany 583.891
Catoscopiaceae botany 588.21412
Cat's-ear (Liguliflorae)
botany 583.552
Cats, Jacob Dutch poet. 839.31131
cradle games 793.74
(Felidae) diseases of
vet. med. 619.8
dom. anim. 636.8
Catskill Mts, NY history 974.738
strata geology 551.74
Cattail (Typhaceae) botany 584.613
Cattalo (Bovidae) dom. anim. 636.2922
Cattaraugus co., NY hist. 974.794
Cattell and Fullerton's law
psychophysics 152.8215
Catteries agriculture 636.8
architecture 728.946
Cattle
as money 332.56
beef, *see* Beef cattle
(Bovidae) dairy industry 637.121
dom. anim. 636.2
dairy, *see* Dairy cattle
diseases vet. med. 619.2
loan companies fin. econ. 332.311
markets architecture 725.27
stables " 728.942
Catullus, C V
Latin lyric poetry 874.2
Caucasia history 947.9
Caucasian languages 499.96
race ethnology 572.94
psychol. of 136.494
Caucasus Eur. w., 1914 940.4226
1915 940.4254
1918 940.4374
Caucus primary suffrage 324.235
Caucuses legis. procedure 328.3745
Cauda equina anatomy 611.8216
Caudal artery " 611.1363
Caudatum " 611.81321
Caul " 611.382
Caulerpaceae botany 589.4726
Cauliflower (Brassicaceae)
garden crops 635.35
Caumont fowls (Gallinae)
agriculture 636.546
Causality metaphysics 122

Cause
and effect metaphysics 122
psychology 130.16224
final metaphysics 124
theory of voluntary
attention psychology 152.7233432
Causeways lands. constr'n 713.72
Caussade fowls (Gallinae)
agriculture 636.544
Causse sheep (Bovidae)
domestic animals 636.3468
Caustic, Christopher, *pseud.*
American wit 817.22
potash therap. 615.775
Cauteries " 615.775
Caux fowls (Gallinae) agric. 636.543
Cavalca, Domenico
Italian essays 854.11
Cavalcades recreation 791.6
social customs 394.5
Cavalcanti, Guido It. poet. 851.14
Cavallotti, F C " " 852.85
Cavalry ball sports 796.31
horses (Equidae)
domestic anim. 636.13
military science 357
Cavan history 941.69
Cavatina vocal music 784.2
Cave cities civic arts 711.423
influences
differential psychol. 136.244
men archeology 571.12
temples archi. styles 722.4
Cavernous
limestone area, Ky hist. 976.96
plexus anatomy 611.83912
Caves archeology 571.81
haunted folklore 398.32
lands. ground forms 713.5
mortuary archi. 726.84
physiography 551.44
Cavia porcellus (Rodentia)
domestic animals 636.9
Cavicornia mammalogy 599.7358
Cavity walls
architectural constr'n 721.294
Cavour, C B It. history 945.08
Cavum oris anatomy 611.31
septi pellucidi
anatomy 611.8139
Cawnpore history 954.2
Caxton editions rare books 094.1
Cayenne
card games 795.41
cherry (Myrtaceae)
fruitculture 634.423
island history 988
pepper (Solanaceae)
field crops 633.843
Cayor history 966.32
Caytoniaceae botany 585.921
paleobotany 561.5921
Cayuga co., NY history 974.768
ducks (Anseres)
agriculture 636.59782
Cebochoeridae mammalogy 599.7342
paleozoology 569.7342
Cecchi, G M Italian drama 852.43
Cecidiology agric. pests 632.2
botany 582.27
Cecil co., Md history 975.238
Cecum anatomy 611.345
Cedar
chests domestic econ. 648.7
(Coniferales) forestry 634.9756
county, Ia history 977.766
Mo " 977.874
Neb " 978.252
creek, Va, battle, 1864
US Civil war 973.7377
(Melliaceae) forestry 634.973251
Mountain, Ore. descr. 917.9597
Va, battle 1862
US Civil war 973.7328
Rapids, Ia history 977.7621
Run, Va, battle, 1862
US Civil war 973.7328
(Thuyopsidaceae,
Juniperaceae) bot. 585.215–.216
wood (Coniferales,
Meliaceae) field crops 633.814
Cedrelaceae (Meliaceae) bot. 583.251
Cedreloideae " " 583.251
Ceiba (Bombacaceae)
cotton manufacturing 677.23
Ceiling
altitude avigation 629.13252
lights dom. econ. 644.326
visibility aeronautics 629.1324
Ceilings
architectural constr'n 721.7
carved archi. dec. 729.58
interior decoration 747.3

Ceilings (cont.)
painted archi. dec. 729.48
vaulted arched constr'n 721.43–.45
archi. design 729.343
Celandine
greater (Papaveraceae)
botany 583.1221
lesser (Ranunculaceae)
botany 583.111
Celastraceae bot. 583.272
Celastrales " **583.27**
Celastrineae " 583.271
Celebes history 991.2
Celebrations
military life 355.16
school education 371.365
student life 371.89
of special events see subject
Celeriac (Apiaceae)
garden crops 635.128
Celery
(Apiaceae) garden crops 635.53
turnip-rooted (Apiaceae)
garden crops 635.128
Celesta music instrument 789.6
Celestial
bodies
figures of astron. 521.14
rotation of " 521.15
worship of comp. relig. 291.2127
body in orbit
position of
astron. 521.23
space
position of
astron. 521.24
dynamics astronomy **521.1**
motions " **521**
signals and longitude
finding astron. 525.48
signs divination 133.334
sphere astronomy 522.71
Celestina Spanish fiction 863.23
Celiac axis anatomy **611.1364**
Celibacy demography 312.5
ethics 176.2
hygiene 613.89
of clergy
pastoral theol. 253
Celidiaceae botany 589.2332
Celiotomy surgery 617.55
Cell
action, circulatory
physiologic botany 581.1158
Cell (cont.)
activities veget. cytol. **581.876**
colonies biology 576.5
cups apiculture 638.1427
division veget. growth 581.134233
enlargement & lengthening
vegetable growth **581.134232**
houses prison archi. 725.62
masses, intertubular
pancreatic anatomy 611.377
morphology, comparative
botany 581.878
physiology **612.0142**
multiplication
vegetable growth 581.134233
physiology botany **581.87**
comp. bot. 581.878
medicine **612.014**
reproduction veget. cytol. **581.8762**
unions " " 581.8763
wall " " 581.875
Cellar doors archi. constr'n 721.835
Cello music instrument 787.3
Cells
ameboid physiology **612.112**
animal histology 591.8
biology **576.3**
closed circuit elec. eng. 621.3536
depolarized " " 621.3536
double fluid " " 621.3534
free formation of
vegetable cytology 581.876244
germinative embryology **611.0131**
heavy current elec. eng. 621.3534
histology **611.0181**
in monasteries archi. 726.795
independent mon. archi. 726.76
interstitial physiology 612.6163
malignant growth of
physiology 612.014
neural physiology **612.822**
psychophysiology **131.222**
nondepolarized elec. eng. 621.3535
open circuit " " 621.3535
photo-electric eng. 621.353
primary elec. eng. **621.353**
secondary " " **621.354**
selenium " " 621.353
single fluid " " 621.3533
standard " meters 621.3743
vegetable histology **581.87**
voltaic electric eng. **621.35**

Cellular
confinement
criminal law 343.2
for lodging
prison systems 365.25
prison systems 365.24
membrane cytology 611.01818
tissue, absorption by
physiology 612.388
Ceululitis obstetrics 618.73
pathology 616.77
Celluloid
arts & crafts 745.57
engraving fine arts 761.6
films photographic chem. 771.523
in clothing dom. econ. 646.183
motor vehicle materials 629.23236
products manufacturing 679
radio insulating material 621.38417910197
Cellulose
and nutrition physiol. 612.396113
compounds
films phot. chem. 771.523
photographic film bases 771.542
reserves physiol. botany 581.133854
silk industry 677.46
silver process phot. 772.13
vegetable cytology 581.875
Celsius, Anders Swed. lit. 839.7835
O O " " 839.7846
Celtic
antiquities 913.364
architectural styles, anc. 722.92
Druids comp. religion 299.16
languages 491.6
swine (Suidae) dom. anim. 636.441
Celts French history 944.01
history, ancient 936.4
stone archeology 571.25
Cement
as adhesive engineering 620.15
diseases of dentistry 617.62
elevators architecture 725.367
foundations " 721.1335
physiology 612.3111
strength of engineering 620.135
walls archi. constr'n 721.23
works architecture 725.489
Cements
building industry 691.5
chemic technology 666.9
mineral geology, econ. 553.68
practical chemistry 542.26
steam piping 621.1857
Cemeteries
burial customs 393.1
effect of pub. health 614.65
haunted folklore 398.32
landscape art 718
public health 614.61
Cemetery beacons archi. 726.87
chapels " 726.81
Cenangiaceae botany 589.2332
Cene da la Chitarra It. wit 857.12
Cenotaphs architecture 726.82
Cenozoic period geology 551.78
Censers ecclesiology 247.9
Censorship
military European war 940.405
science 355.23
political " 323.4
psychoanalysis 131.34124
Censures penance 265.65
Censuses statistics 310
traffic
city planning 711.721
Centenarians physiology 612.68
Centennial
celebrations
in specific fields see subject
state (Colo) history 978.8
Center co., Pa history 974.853
lines
archi. elevations 729.16
plans 729.26
railroad eng. 625.11
of gravity statics 531.24
Centered arches
architectural constr'n 721.427
Centipedes (Chilopoda) zool. 595.62
Centlivre, Mrs Susanna
Freeman English drama 822.53
Cento novelle antiche
Italian fiction 853.11
Central
administration
see Government
America history 972.8
American archi. styles
pre-Columbian 722.912
Asia, Chinese history 951.6
history 958
Australia history 994.291
banks financial economics 332.11
basin, Tenn history 976.85
bone, carpal anatomy 611.71779
energy system telephony 621.38546
government admin. 351
[1] **foreign states 354**
US 353

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Central (cont.)
lobe anatomy 611.81319
plan rural schools 379.175
powers European war 940.334
statlon equip. telephony 621.387
stations
electric engineering 621.312
steam " 621.19
using heat, air & gas engines 621.49
switchboard system telephony 621.3854
Centralization
administrative
of foreign countries 354
United States 353.01
church history 270.2
of power polit. science 320.157
school supervizion education 379.15
Centricae botany 589.622
Centrifugal
and centripetal force dynamics 531.35
blowers engineering 621.63
conduction psychometry 152.8355
pumps engineering 621.67
Centripetal conduction psychometry 152.8353
Centrolepidaceae botany 584.82
Centrosome cytology 611.01816
physiology 612.01426
Centrospermae botany 583.91
Centrospheres veget. cytol. 581.873432
Centrum semiovale anatomy 611.8137
Centuries chronology 529.2
Century plant (Amaryllidaceae)
cordage manufacturing 677.71
fiber crops 633.5774
Cephalic index craniology 573.7
sympathetic nerves
anatomy 611.8391
physiology 612.891
veins anatomy 611.145465
Cephalization comp. anat. 591.49
Cephalopoda zoology 594.5
Cephalotaceae botany 583.391
Cephalotaxaceae " 585.222
Ceramiales " 589.412
Ceramic
and iron structures
architectural constr'n 721.97
Ceramic (cont.)
ceiling constr'n 721.73
lighting fixtures f. arts 738.83
materials houses
rural archi. 728.63
urban " 728.38
painting fine arts 738.15
processes photography 773.6
specimens museum econ. 069.4738
stoves fine arts 738.82
supports phot. chem. 771.526
surfaces painting, art 751.226
works architecture 725.483
Ceramics bldg industry 691.4
chemic tech. 666.3
fine arts 738
strength of eng. 620.14
Cerate paste photography 771.45
Ceratiomyxaceae botany 589.2931
Ceratomycetaceae " 589.232
Ceratonia siliqua (Caesalpiniaceae) fruitcult. 634.462
Ceratophyllaceae botany 583.1182
Ceratopteridaceae " 587.3126
Ceratostomataceae " 589.2351
Ceratotomy ophthalmology 617.71
Cercidiphyllaceae botany 583.1192
Cercopidae entomology 595.7533
Cercopithecidae mammalogy 599.82
Cereal foods dom. econ. 641.331
grasses forage crops 633.25
Cereals
adulterations 614.312
and nutrition physiol. 612.39273
as food dom. econ. 641.13
(Poaceae) agriculture 633.1
trade in economics 338.1731
Cerebellar
peduncles, superior
anatomy 611.8164
physiology 612.8267
tract, direct anatomy 611.8253
Cerebellum anatomy 611.8171
physiology 612.827
Cerebral
arteries anatomy 611.13333
circulation
in sleep physiology 612.82174
physiology 612.824
cortex anatomy 611.8131
physiology 612.825
psychophysiology 131.225
ganglions physiology 612.826

Cerebral (cont.)
localizations
anatomy 611.812
phrenology 139
physiology 612.8252
psychophysiology 131.2252
peduncles anatomy 611.8154
physiology 612.8263
poisons toxicology 615.96
veins anatomy 611.14511
Cerebration, unconscious
psychology 153.8
Cerebria medicine 616.83
Cerebrocardiac poisons
toxicology 615.99
Cerebrospinal
axis anatomy 611.811
diseases medicine 616.81–.82
fever pathology 616.925
fluid physiology 612.8241
poisons toxicology 615.98
Cerebrum
action on
blood vessels physiol. 612.1811
heart physiology 612.1784
anatomy 611.81
and respiration physiol. 612.281
physiology 612.82
Ceremonials, military 355.17
Ceremonies soc. customs 394.4
student life 371.89
see also Rituals, relig.
Ceres astronomy 523.44
Cape Colony hist. 968.723
occult astrology 133.532
Roman mythology 292
Ceriman (Araceae) fruitcult. 634.7762
Cerio printing photography 772.16
Cerium group chemistry 546.6
oxalate of therap. 615.735
processes
photography 772.87
Cernauti, *see* Czernowitz
Cernay grape viticulture 634.8544
Ceroplastics sculpture 731.253
Cerro Gordo
county, Ia history 977.725
Pass, Mexico, battle
1847 US hist. 973.6237
Certainty
metaphysics 121
psychology of recognition 154.34234
Certificates
corporation fin. econ. 332.63
Sunday school students 268.47
teachers 268.373
teachers' education 371.133
see also Academic degrees, Diplomas
Ceruminous glands anatomy 611.777
physiol. 612.7929
Cervantes Saavedra, Miguel
Spanish fiction 863.32
Cervera's squadron
destruction, 1898 US hist. 973.895
Cervical
cord anatomy 611.8212
ganglion, inferior anat. 611.83916
superior " 611.83911
glands anatomy 611.4637
nerves " 611.833
plexus " 611.8333
sympathetic nerves
anatomy 611.8391
physiology 612.891
Cervicornia mammalogy 599.7357
Cervidae " 599.73574
Cervix
dilation obstetrics 618.84
gynecology 618.14
uterine anatomy 611.666
César grape viticulture 634.8544
Cesari, Antonio It. essays 854.67
Cession of territory
political science 320.1265
Cesspools and pollution
public health 614.764
Cestoda pathology 616.964
zoology 595.121
Cetacea mammalogy 599.5
Cetinje European war 940.4284
Ceuta history 964.2
Cevadilla (Melanthaceae)
botany 584.321
see also Veratrum
Cevennes sheep (Bovidae)
domestic animals 636.3468
Ceylon history 954.8
Ch—
Chinese names not found under this digraph may be found under Ts—
Chablis grape viticulture 634.8544
Chad, Lake history 967.46
Milit. Terr. hist. 967.43
Chadron state park, Neb 917.8293

Chaerophyllum
bulbosum (Apiaceae)
garden crops 635.136
sativum (Apiaceae)
garden crops 635.78
Chactangiaceae botany 589.416
Chaetocerotaceae " 589.6222
Chactochloa italica
(Andropogoniae) field crops 633.171
Chaetocladiaceae botany 589.281
Chaetognatha zoology 595.135
Chaetomiaceae botany 589.2351
Chaetopeltidaceae " 589.47426
Chaetophoraceae " 589.47428
Chaetophorales " 589.4742
Chafer (Lamellicornia)
entomology 595.764
Chaffee co., Colo history 978.847
Chafing dish cookery 641.585
kitchen equip. 643.335
Chagos islands history 969.7
Chahar, China " 951.77
Chailletiaceae botany 583.255
Chain
banking financial econ. 332.16
blocks mechanical eng. 621.863
drive motor vehicles 629.2451
gangs convict labor 365.65
gearing mechanical eng. 621.835
harrow farming 631.3132
hoist trucks
motor vehicles 629.22434
operation 629.284
stores business methods 658.873
Chainette grape vitic. 634.8544
Chains
door & window constr'n 721.88
motor vehicle equip. 629.2725
sash window constr'n 721.891
ship outfit 623.86
strength of engineering 620.11286
Chair
caning rush mfg 677.544
electric crim. law 343.2
socialism of the
political economy 335.62
Chairs
artistic furniture 749.31
domestic economy 645.41
endowed univ. & col. 378.3
office equipment 651.231
school " 371.631
track railway eng. 625.15
Chaityas architecture 726.143
Chalcedon ecumenic council
431 church hist. 270.24
history, ancient 939.25
Chalcography engraving 762.3
Chaldea history, ancient 935.1
Chaldean
architectural styles 722.51
Christians Nestorians 281.8
philosophers 181.6
religion comp. theol. 299.22
Chaldee language 492.2
text Bible 220.42
Chalets architecture 728.71–.73
Chalicotheriidae mammal. 599.729
paleozool. 569.729
Chalices practical relig. 247.8
Chalk
beds geology, econ. 553.68
brood bee diseases 638.1544
drawing
fine arts 741.23
greasy lithography 763.4
engraving fine arts 765.4
petrology 552.54
talks drawing 741.7
education 371.3355
Chalky soils floriculture 635.9556
Challenges social customs 394.8
Challis nat'l forest, Ida
description 917.9672
Chalonnaise grape vitic. 634.8544
Chalukyan archi. styles 722.415
Chalybeate waters
geology, economic 553.73
Chamaesiphonales botany 589.84
Chamber music
form of composition 781.50823
instrumental 785.7
vocal 784.3
Chamberland filter
practical chemistry 542.67
Chambermaids dom. econ. 647.25
Chambers
county, Ala history 976.156
form of legislature 328.39
geology, economic 553.18
lethal criminal law 343.2
of commerce archi. 725.255
reports of 381
ordnance 623.4237
Chambertin grape vitic. 634.8544
Chambly co., Que. history 971.437
Chamelcon (Lacertilia)
herpetology 598.11

Chamcry grape viticulture 634.8544
Chamfered walls
architectural constr'n 721.294
Chamisso, Adelbert
German fiction 833.68
Chamois (Bovidae) mammal. 599.73584
Champagne, Fr. hist. 944.3
Eur. w. 940.4244-5
Champagne
chemic technology 663.2
swine (Suidae) dom. anim. 636.441
Champaign co., Ill history 977.366
O " 977.1465
Champion grape vitic. 634.847
Championship games
ethics 175.7
school sports 371.75
Champlain, Samuel de
American history 973.18
Canadian " 971.011
Champlain
county, Que history 971.446
Lake, NY
battle Amer. revol. 973.352
War of 1812 973.5256
history 974.754
Champlevé enamel ceramics 738.43
Champoeg co., Ore history 979.537
Chance, games of recrea. 795
metaphysics 123
natural theology 214
vs cause
metaphysics 122
Chancel rails architecture 729.968
Chancellor
[1] **university & college 378**
admin. 378.11
Chancellorsville, Va
campaign, 1863
US Civil war 973.7346
Chancels church archi. 726.593
ecclesiology 246.1
Chancery
court of jurisprudence 347.99
private law 347.8
reports Eng. law 346.4
US " 345.4
Chances mathematics 519
Chandeleur Sound, La. descr. 917.6336
Chandeliers architecture 729.98
dom. lighting 644.326
fine arts 749.636
Changchowfu, China hist. 951.2455
Changchun, Manchuria " 951.88
Change cosmology 116
Changpeh, China hist. 951.77
Changsha " " 951.2152
Chan-Kuo age Chinese hist. 931.04
Channel
beams, strength of eng. 620.11282
islands cattle (Bovidae)
domestic anim. 636.2241
history 942.34
Channels city planning 711.763
hydrography 526.99
open hydraulics 532.54
Channing, W E Amer. essays 814.23
Chanson de geste Fr. poet. 841.11
Chanteys vocal music 784.4
Chantries church archi. 726.595
Chants
church music eccles. 246.8
sacred " 783.5
Chanute, Kan history 978.1951
Chaparral formations bot. 581.526532
Chapbooks folklore 398.5
Chapel
exercises education 377.1
student life 371.892
Chapelain, Jean Fr. poet. 841.44
Chapels architecture 726.41
cemeteries 718.67
cemetery archi. 726.81
prisons 365.54
side ch. archi. 726.595
transeptal " 726.592
Chapin, E H Amer. oratory 815.35
Chaplain eccles. polity 262.15
prisons 365.663
Chapote (Ebenaceae) bot. 583.6851
Chaps skin pathology 616.58
Chapter houses archi. 726.692
Chapultepec, Mexico
battle, 1847 US hist. 973.6239
Character
analysis labor demand 331.1151
criminal psychology 364.34
dances music form 781.50857
recreation 793.32
ethics 170

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Character (cont.)
formation of adult educ. 374
inheritance biology **575.12**
loans financial econ. 332.745
of special subject
[2] see subject —011
qualifications
library employes 023.52
tests psychology 137.8
training and crime sociol. 364.254
prisons 365.663
Characterology psychology **137–139**
Characters recreation 793.24
Charades " 793.24
Charales botany 588.4
Charante-Inférieure hist. 944.64
Charcoal
burning and pollution
public health 614.735
distillation 668.7
domestic heating 644.21
drawing fine arts 741.22
fuel chemic tech. 662.7
lumber forest products 634.98472
sewer ventilation 628.237
Chard (Chenopodiaceae)
garden crops 635.42
Chardon process phot. 772.15
Chardonnay grape vitic. 634.8544
Chardoon (Carduaceae)
garden crops 635.327
Charente grape vitic. 634.8544
history 944.65
Charger horse (Equidae)
domestic animals 636.13
Charging systems
library book loan 025.6
Charismata doc. theol. 231.7
Charitable institutions
general archi. 725.59
sociology **362**
tax exemption 336.294
work
sociology **361**
Charitableness ethics 179.9
Charities and corrections
sociology **360**
Chariton co., Mo history 977.825
Charity
bureau sociology 362.53
Daughters of
religious orders 271.91
ethics 177.7
Fathers of relig. order 271.9
Charity (cont.)
organization of
welfare work 361.8
public admin. regulation 351.84
schools education 377.7
Charlatanry comp. relig. 291.62
psychology **133.7**
in other specific fields
[2] see subject —0885
Charlemagne
age of church hist. 270.3
Eur. " 940.14
Fr. " 944.01
Ger. " 943.01
legends folklore 398.22
Charleroi battle Eur. w. 940.4212
Charles 1 Eng. history 942.062
US " 973.22
2 Eng. " 942.066
US " 973.24
4 Fr. " 944.024
5 " " 944.025
6 " " 944.026
7 " " 944.026
8 " " 944.027
9 " " 944.029
10 " " 944.062
see also Carlos, Karl
City co., Va hist. 975.544
co., Md " 975.247
d'Orléans Fr. poet. 841.22
Charleston
city, SC
campaign, 1863
US Civ. war 973.7351
nav. hist. 973.753
harbor operations
1860–61 US Civ. war 973.7311
1864 " " " 973.7364
siege Amer. revol. 973.3362
WVa history 975.438
county, SC history **975.791**
Charlevoix co., Mich hist. 977.486
Que " 971.449
Charlotte, city, NC hist. 975.6761
co., Fla " 975.949
NB " 971.533
Va " 975.565
Charlottesville, " " 975.5481
Charlottetown, PEI " 971.75
Charlton co., Ga " 975.875
Charmoise sheep (Bovidae)
domestic animals 636.3449

Charms sorcery 133.44
Charnel houses architecture 726.82
Charophyta botany 588.4
Chart reading
stock & commodity trading 332.64
Chartalism money 332.4016
Charter, Africa history 968.934
Chartered service
ocean transport 387.5443
Charters
bank financial econ. 332.17
city administration 352.002
library lib. gov't 023.1
of ass'ns, soc., etc.
in fields not specified
[2] see subject —06
[1] **university & college 378**
Chartier, Alain Fr. poet. 841.21
Chartism Eng. constit. hist. 342.42
Chartists Eng. politics 329.942
Chartography
see Cartography, Topography
Chartres history 944.51
Charts
aerial avigation 629.13254
astronomic
see Astronomic charts, maps, etc.
calculating
office fittings 651.4655
educational methods 371.3353
graphic mech. drawing 744.42
illustrative
in fields not specified
[2] see subject —084
library acquisition 025.296
administration 025.176
preservation 025.8
outlines
in fields not specified
[2] see subject —02
radio 621.384084
statistical 311.26
office records 651.5636
see also Maps
Chase co., Kan history 978.159
Neb " 978.287
hunting sport 799.2
music 785.15
printing 655.27
Chasers, antisubmarine
shipbuilding 623.825
Chasing games, children's 796.14
metal arts 739.15
Chassagne-Dansac process
photography 778.66
Chasselas grape vitic. 634.849
Fr. 634.8544
Chasseurs, cavalry mil. sci. 357.16
infantry " " 356.11
Chassis à ventouses phot. 771.42
aircraft constr'n 629.1343843
gun mounts 623.4352
motor vehicles 629.24
Chastellain, Georges
French fiction 843.24
Chastity ethics 176.1
Chasuble practical relig. 247.7
Chateaubriand, F A R
French fiction 843.65
Chateaugay co., Que hist. 971.433
Château-Thierry Eur. w. 940.4351
Chateaux architecture 728.82
Chatham, W P Eng. oratory 825.61
Chatham co., Ga history 975.8724
NC " 975.659
Chatrian, Alexandre
French fiction 843.85
Chattahoochee co., Ga hist. 975.8476
Chattanooga
city, Tenn history 976.8821
nat'l park, Tenn " 976.882
Ringgold, Tenn, campaign
1863 US Civ. war 973.7359
Chattel mortgage
loans financial econ. 332.71
companies " " 332.313
Chattels private law 347.3
Chatterton, Thomas
Eng. poet. 821.63
Chattooga co., Ga hist. 975.8344
Ridge, SC " 975.721
Chaucer, Geoffrey Eng. poet. 821.17
Chaulieu, G A de Fr. " 841.47
Chaulnes Eur.w., 1916 940.4272
1917 940.4314
1918 940.4354
Chauny " " " Mar. 940.4341
Sep. 940.4354
Chautauqua adult educ. 374.974795
co., Kan hist. 978.1918
NY " 974.795
grape vitic. 634.847
halls archi. 725.92
Cheat River valley, WVa
history 975.481

Cheatham co., Tenn hist. 976.846
Cheating ethics 174.7
student honor 371.81
Cheboygan co., Mich. hist. 977.487
Chechen languages 499.9612
Check rooms, railway
architecture 725.316
Checkerberry (Ericaceae) 583.62
Checkers ethics 175.4
games 794.2
Checking
business receiving meth. 658.771
Checkoff labor economics 331.8808
Checkrowers farm mach. 631.3324
Checks
automatic gun mounts 623.43561
commercial law 347.7
door & window constr'n 721.892
financial credit 332.76
gun mounts 623.4351
payment by wages 331.211
raising 332.94
Cheddar cheese dairy indus. 637.3542
Cheeks anatomy 611.318
Cheerfulness ethics 179.9
Cheers student life 371.898
Cheese
analysis dairy industry 637.327
and nutrition physiol. 612.39285
by-products dairy indus. 637.34
composition " " **637.32**
factories " " 637.331
grades " " 637.323
houses architecture 728.96
industry agriculture 637.3
prices dairy indus. 637.3185
properties " " 637.321
soft " " 637.352–.353
state inspection 614.327
testing dairy industry 637.325
utilization of
dairy industry 637.34
varieties dairy indus. 637.35
Cheesemaking " " **637.333**
Chefoo, China hist. 951.14
Cheggazar " 966.27
Chehalem Mts, Ore " 979.539
Chehalis co., Wash " **979.795**
Indian reservation
Wash history 979.779
Cheiranthodendraceae
(Sterculiaceae) botany 583.18
Cheiro —, *see also* Chiro —
Cheirostrobales botany 587.23
paleobot. 561.723
Chekiang, China hist. 951.242
Chelan co., Wash " **979.759**
nat'l forest, Wash.
description 917.9759
Chelodactyla mammalogy 599.722
Chelonia herpetology 598.13
Chelsea, England hist. 942.13
Chemic
affinity science 541.39
agents, effects of pathol. 616.987
analysis diagnosis 616.0756
apparatus prac. chem. 542.2
changes geology 551.94
combination, laws of sci. 541.2
combinations
chemodynamics 541.39
composition of
insulating materials
electric lines 621.31937
plants botany 581.192
substances 541
disinfectants pub. health 614.484
electricity engineering 621.35
elements 546
nature of 541.2
putative & false 546.99
technology 661.1
equations 541.9
formulas chem., inorg. 546
organic 547
theor. 541.9
stereochemistry 541.6
industries plants archi. 725.42
laboratories prac. chem. 542.1
manipulations procedure 542.21
nomenclature notation 541.9
operations prac. chem. 542
science 542.48
phenomena heredity 575.16
physiology biology 574.19
processes textile mfg 677.02827
see also special fibers
products botany 581.197
properties of
matter biology 577.1
substances 541
reactions, internal bot. 581.196
senses physiology 612.86–.87
psychology 152.3–.4

Chemic (cont.)
sensitizers photography 771.5341
solutions effect on
plants botany 581.522274
substances
action of mesology 612.01446
on respiration
physiology 612.284
and muscular action
physiology 612.74115
tables, problems, etc. 541.9
technology 660
tests textile mfg 677.02871
see also special fibers
transfer processes phot. 773.125
treatment apparatus
textile mfg 677.02857
warfare military science 358.345
ordnance 623.45
works and pollution
public health 614.72
Chemicals
for wastes indus. san. 628.544
inorganic photography 771.6
manufacturing 661
organic photography 771.7
photographic fine arts 771.54
sewer ventilation 628.237
Chemico-technical
animals econ. zoology 591.64
plants " botany 581.64
Chemiculture agric. meth. 631.58
Chemigraph printing 655.32
Chemin
blanc grape viticulture 634.8544
des Dames Eur. w., 1917 940.4316
1918 940.4361
Chemistry
agricultural agronomy 630.24
analytic 543
and photographic theory 770.154
physics 541.3
religion nat. theol. 215
animal 547
zoology 591.19
applied 660
botany 581.19
cosmic astronomy 523
dairy industry 637.127
early alchemy 540.1
experimental 542
inorganic 546
legal law 340.6
Chemistry (cont.)
medical pharmacy 615
of cells physiology 612.0141
food dom. econ. 641.1
muscle physiology 612.744
soil agriculture 631.41
organic 547
pathologic diagnosis 616.0756
physiologic 612.015
biology 574.19
botany 581.19
zoology 591.19
practical 542
respiratory physiology 612.22
science 540
secretory physiology 612.405
stellar astronomy 523.86
theoretic 541
vegetable 547
Chemists 540.69
biography 925.4
industrial 660.69
biog. 926.6
Chemosynthesis
physiologic botany 581.13343
Chemotaxis botany 581.183435
mesology 612.014467
Chemotherapy pharmacy 615.1
Chemotropism botany 581.183235
Chemung co., NY history 974.778
strata geology 551.74
Chên dynasty Chinese hist. 951.0148
Chenango co., NY " 974.773
Chenchow, China history 951.18
Chengteh, " " 951.78
Chengtu, " " 951.385
Chénier, A M Fr. poet. 841.56
M J Fr. drama 842.66
Chenille carpet mfg 677.643
Chenopodiaceae botany 583.914
Chenopodiales " 583.913
Cheques, *see* Checks
Cher history 944.552
sheep (Bovidae)
domestic animals 636.3441
Cherbourg, Fr.
Eur. w. naval base 940.453
history 944.21
Cherbuliez, Victor Fr. fict. 843.87
[4] **Cheremissian language 494.521**
Cherimoya (Anonaceae)
fruitculture 634.413
Cheristocarpaceae botany 589.453
Cherkess languages 499.9613

Cherokee
county, Ala history 976.165
Ga " 975.825
Ia " 977.717
Kan " 978.199
NC " 975.699
Okla " 976.688
SC " 975.742
national forest
Blue Ridge section
description 917.5828
description 917.6888
outlet or strip, Okla
history 976.62
Cherry, Cayenne (Myrtaceae)
fruitculture 634.423
co., Neb history 978.273
ground- (Solanaceae)
garden crops 635.647
(Rosaceae)
fruitculture 634.23
Surinam (Myrtaceae)
fruitculture 634.423
valley, NY, massacre
Amer. revol. 973.3345
Cherub, ship War of 1812 973.5255
Chervil
leaf (Apiaceae)
garden crops 635.78
turnip-rooted (Apiaceae)
garden crops 635.136
Chesapeake
and Shannon, ships
War of 1812 973.5253
Bay, Va history 975.518
Cheshire cheese
dairy industry 637.3542
co., Eng. history 942.71
NH " 974.29
swine (Suidae)
domestic anim. 636.4843
Chess ethics 175.4
games 794.1
halls architecture 725.84
Chest anat., regional 611.94
pathology 616.2
surgery 617.54
Chester co., Eng. hist. 942.71
Pa " 974.813
SC " 975.747
Tenn " 976.8265
plays Eng. drama 822.11
white swine (Suidae)
domestic animals 636.4841
Chesterfield, P D S
English letters 826.52
Chesterfield co., SC hist. 975.763
Va " 975.559
Chestnut (Fagaceae)
forestry 634.9724
nuciculture 634.53
water- (Trapaceae)
botany 583.413
Chests artistic furniture 749.38
Chevet church architecture 726.593
Cheviot Leicester sheep
(Bovidae)
dom. anim. 636.3213
sheep (Bovidae)
domestic anim. 636.3251
Chevrotain (Tragulidae)
mammalogy 599.73556
Cheyenne, city, Wyo hist. 978.7
co., Colo " 978.892
Kan " 978.111
Neb " 978.296
Chi dynasty
northern Chinese hist. 951.0135
southern " " 951.0144
Chiabrera, Gabriello
Italian poetry 851.51
Chia-ching Chinese hist. 951.035
Chiapas history 972.7
Chiaroscuro drawing 741.45
painting 751.41
wood engr. 761.27
Chiasma opticum anatomy 611.8144
Chiba history 952.132
Chibi " 968.931
Chicago, Ill " 977.311
Chicanery ethics 174.7
Chichimec civilization
history 972.012
Chickamauga
Georgia, campaign, 1863
US Civ. war 973.7355
nat'l park, Tenn hist. 976.882
Chickasaw cessions, Miss.
history 976.27
co., Ia history 977.7315
Miss. " 976.294
Chickasha, Okla history 976.6541
Chicken
coops architecture 728.945
grape vitis aestivalis
agric. 634.8451
cordifolia
agric. 634.8445

Chicken-pox pathology 616.914
pub. health 614.525
Chickens (Gallinae) agric. 636.5
Chickpea (Fabaceae)
garden crops 635.657
Chickweed
(Alsineae) botany 583.1542
Indian (Aizoaceae) bot. 583.475
Chicle latex
forest products 634.9865
see also Resins and gums
Chicory (Cichoriaceae)
field crops 633.78
root " 635.137
salad " 635.54
Chicot co., Ark history 976.784
Lake, Ark. descr. 917.6784
Chicoutimi co., Que hist. 971.416
Chicunda " 968.9595
Chieftainships colonies 325.315
Chien-lung Chinese hist. 951.034
Chihli, China " 951.15
Chihuahua " 972.1
Chikugo " 952.241
Chikunda " 968.9595
Chikushu " 952.24
Chikuzen " 952.245
Chilblains skin pathology 616.58
Child
and parent family law 347.6
care of newborn
obstetrics 618.6
figures fine arts 704.9425
guidance crime prevention 364.45
insurance business 368.46
labor and crime sociol. 364.26
polit. econ. 331.3
psychology 136.7
welfare sociology 362.7
worker's unions
labor organizations 331.887
Childbirth obstetrics 618.4
Childhood
[1] **history of childstudy 136.79**
mortality demography 312.2
pub. health 614.133
psychology 136.7353
see also Adolescence, Infancy
Children
abnormal, psychol. of 136.76
art anatomy 743.45
atypic, education of 371.9
care of dom. econ. 649.1
ethics 173.5
clothing for dom. econ. 646.36
nursery 649.4
Children (cont.)
cookery for dom. econ. 641.562
cruelty to ethics 179.2
delineation of psychol. 136.75
diet of physiology 612.3942
diseases of pathology 618.92
European war 940.3161
food for dom. econ. 649.3
hygiene 613.22
games of dom. econ. 649.55
habits of " " 649.6
ethics 173.6
homeless psychology 136.767
library work with 027.625
moral education of 377
museum work with 069.107
of the Amer. revolution 369.137
paintings of f. arts 757.5
sacrifice of
customs & manners 392.2
underprivileged sociol. 362.7
see also Infants
Children's
aid sociology 362.7
book illus. drawing 741.642
calisthenics dom. econ. 649.5
costumes sociology 391.3
courts criminology 364.52
crusade European hist. 940.185
day Sunday schools 268.75
department journalism 070.4458
dreams psychology 135.3622
duties ethics 173.6
games recreation 796.1–.2
gardens lands. art 712.627
homes and juvenile courts
criminology 364.528
hospitals architecture 725.57
sociology 362.78
kitchens pub. relief 362.761
libraries 027.625
literature
library economy 028.5
polygraphic coll'ns 087.1
museums 069.016
room domestic economy 649.2
furnishing
dom. econ. 645.67
library bldg 022.58
songs music 784.624
viewpoint psychology 136.74
Childstudy elem. educ. 372.1
psychology 136.7
Chile controversy, 1891–92
US history 973.86
history 983

Chile, receptacle for anat. 611.423
Chili (Solanaceae)
field crops 633.843
Chiliasm eschatology 236.3
Chilimanzi history 968.933
Chilled brood
bee diseases 638.1546
Chillicothe, O history 977.1821
Chilling dairy industry 637.1331
Chillingham cattle (Bovidae)
domestic animals 636.221
Chills and fever, malarial
pathology 616.936
public health **614.53**
Chilognatha zoology 595.61
Chilopoda " 595.62
Chilostomata " 594.713
Chilton co., Ala history 976.181
Chimera (Holocephali)
ichthyology 597.38
Chimes clockwork 681.1123
music instruments 789.5
Chimney
money public finance 336.2786978
pieces architecture 729.95
Rocks, Neb descr. 917.8295
sweeping dom. econ. 644.2
Chimneys
architectural design 729.358
building industry 697.8
sewer ventilation 628.236
steam boiler furnace **621.1838**
Chimpanzee (Catarrhina)
mammalogy 599.82
Chin dynasty
255–206 BC Chinese hist. 931.05
265–420 " " 931.08
936–947 " " 951.0176
1115–1260 " " 951.024
China grass (Urticaceae)
fiber crops 633.55
textile mfg **677.15**
history, ancient **931**
modern **951**
jute (Malvaceae)
field crops 633.561
orange (Rutaceae)
fruitcult. 634.322
painting ceramics 738.22
Sea history 951.23
Chinaware ceramics **738.2**
chemic tech. 666.5
domestic econ. 642.7
Chinch bug (Heteroptera)
agricultural pests 632.754
Chinese
architectural styles **722.11**
discoverers Amer. hist. 973.12
exclusion act, 1892
US history 973.86
goose (Anseres) agric. 636.59885
language **495.1**
layering plant culture 631.5344
melon (Cucurbitaceae)
garden crops 635.618
philosophers 181.1
religion. comp. theol. 299.51
revolution
1911–12 history 951.0399
1927 " 951.042
swine (Suidae) dom. anim. 636.485
Ching dynasty Chinese hist. **951.03**
Chinghai, China " 951.47
Chinkapin (Fabaceae) nucic. 634.537
Chinkiang, China history 951.13
Chino-
French war Chinese hist. 951.039
Japanese war, 1894–95 951.039
Chin. hist. 951.039
Jap. " **952.0315**
wars, 1931–
Chin. hist. 951.0425
Jap. " 952.033
Chinook language 497
state (Wash) hist. **979.7**
Chinquapin (Fabaceae)
nuciculture 634.537
Chinwangtao, China history 951.15
Chiodectonaceae botany 589.172
Chios history 949.93
ancient 939.13
Chippendale furn. f. arts 749.223
Chippewa
city, Ont., battle, 1814
US history 973.5237
county, Mich history 977.491
Minn " 977.639
Wis " 977.544
Chips fiber manufactures 677.546
Chirognomy palmistry **133.62**
Chirography writing meth. 652
Chirology palmistry **133.6**
Chiromancy " 133.64
Chiropody surgery 617.58
Chiropractic therapeutics 615.82
Chiroptera mammalogy 599.4

Chirosophy palmistry 133.63
Chisago co., Minn history 977.661
Chisels, pruning agric. 631.3423
sculpt. equip. 731.3
weeding farming 631.3155
Chishima history 952.7
Chitarina music 787.6
Chitarra, Cene da la
Italian wit 857.12
music 787.6
Chitarrone music 787.6
Chitin and nutrition
physiology 612.396172
Chitonioideae
(Zygophyllaceae) bot. 583.221
Chitons (Gastropoda) zool. 594.31
Chittagong fowls, gray
(Gallinae) agric. 636.5852
Chittam-wood
(Anacardiaceae) botany 583.292
Chittendon co., Vt hist. 974.317
Chivalrousness ethics 179.6
Chivalry
age of Eur. history 940.17
ethics 177.1
romances of
Provençal poetry 849.121
social customs 394.7
Chive (Liliaceae)
garden crops 635.265
Chlaenaceae bot. 583.168
Chlamydobacteriales " 589.953
Chlamydomonadales " 589.47534
Chloral habit ethics 178.8
hygiene 613.83
hypnotics 615.782
toxicology 615.967
Chloramoebales botany 589.4854
Chloranthaceae " 583.926
Chlorellaceae " 589.47522
Chlorenchyma veget. histol. 581.823
Chlorid
of lime phot. chemistry 771.546
silver, processes phot. 772.13
Chlorideae botany 584.935
grass crops 633.287
Chlorids
disinfection pub. health 614.487
fertilizers 631.832
Chlorin
chemistry 546.13
compounds
and pollution
public health 614.726
mineralogy 549.4
salts in urine physiol. 612.46161
Chlorobotrydaceae botany 589.484
Chlorococcaceae " 589.47523
Chlorococcales " 589.4752
Chlorodendrales " 589.47533
Chloroform
anesthetics 615.781
painting solvent 751.247
surgery 617.9
toxicology 615.966
Chloromonadales botany 589.9743
Chlorophyceae " 589.47
Chlorophyl
bodies veget. cytology 581.87332
in photosynthesis
physiologic botany 581.13342
physiology 612.1119
secretion botany 581.14442
Chlorophyllaceae botany 589.8
Chlorosis gynecology 618.17
pathology 616.15
Chlorospermeae (Chlorophyceae) botany 589.47
Chlorosphaeraceae botany 589.47523
Chlorotheciaceae " 589.484
Choanephoraceae " 589.281
Choate, Rufus Amer. oratory 815.32
Chocolate
bean (Sterculiaceae)
field crops 633.74
beverage cookery 641.87
candy adulterations 614.311
chemic technology 663.9
drink adulterations 614.347
Choctaw
cessions, Miss. hist. 976.23
county, Ala history 976.1395
Miss. " 976.2694
Okla " 976.663
Choice
freedom of psychol. of will 159.124
metaphysics 123
time psychometry 152.834334
Choir
church architecture 726.593
stalls " 729.935
training music 784.96
sacred 783.8
Choke
cherry (Rosaceae) fruitc. 634.24
coils electric eng. 621.3146
Chokei Japanese history 952.0223
Cholagogs physiology 612.3574
therapeutics 615.742
Choledic duct anatomy 611.367
Cholemia, *see* Jaundice

Cholera
  infantum pub. health 614.515
  inoculation " " 614.475
  pathology 616.932-.933
  public health 614.514
Choleric type personality 137.42
Cholesterin
  chemistry of blood 612.123
  in red corpuscles physiol. 612.11119
  physiol. of nutrition 612.39781
Choluria physiology 612.46667
Chondroblasts histology 611.0183
Chondrostei ichthyology 597.44
Chopper system radio 621.3841538
Choppers radio 621.3841335
Choral
  service sacred music 783.24
  singing music 784.96
    sacred 783.8
Chorale sacred music 783.6
Chord process geodesy 526.43
Chorda tympani
  anatomy 611.83175
  and salivary secretion
    physiology 612.31387
  physiology of taste 612.877
  psychology " " 152.417
Chordaceae botany 589.454
Chordariaceae " 589.457
Chords music 781.22
    piano exercises 786.34
Chorea pathology 616.851
    psychology 132.151
Choreography theater 792.8
Choriambics English prosody 426.3
3 other lang. —63
Chorion embryology 611.01384
Choripetalae botany 583.1
Choroid anatomy 611.8423
    ophthalmology 617.72
    physiology 612.8425
    plexus anatomy 611.8192
      physiology 612.8241
    psychology 152.125
Choruses
  sacred music 783.8
  song collections 784.86
  vocal music 784.6
    form 784.068
Chosen history 951.9
Choshu " 952.1985
Chou dynasty
  1122-255 BC Chinese hist. 931.04
  557-589 " " 951.0138
  951-960 " " 951.0179
Chowan co., NC history 975.6147
Chrestien de Troyes Fr. poet. 841.14
Chrestomathies English lang. 428.7
3 other " —87
Christ
  biog. of Christology 232.9
  Church parish, Ga hist. 975.8724
  in art 704.9485
    painting 755.5
  legends Christology 232.99
Christening birth customs 392.1
    sacraments 265.1
Christian
  apologetics theology 239
  archi. styles, medieval 723
  art & symbolism eccles. 246
    f. arts 704.9482
  ass'ns, buildings archi. 726.97
    religion 267
  Brothers relig. order 271.78
  calendars chronology 529.4
  church 260-289
    and educ. sociol. 377.8
1 **immersionist sect 286.6**
  commission US Civ. war 973.7781
1 **connection immersionists 286.6**
  county, Ill history 977.381
    Ky " 976.978
    Mo " 977.879
  doctrines religion 230
    Sunday schools 268.66
  dogmas vs heresies 273
  duties didactic theol. 241
    personal relig. 248
  education 377
  endeavor, Young people's
    society of 267.613
  ethics theology 241
  evidence curriculum 375.239
  fathers
    church history 270
    works of sect. hist. 281.1
  institutions 260
  names genealogy 929.4
  philosophers, early 189
  schools, Brothers of the
    religious order 271.78
  science
1 **church 289.5**
    healing doc. theol. 230.95
      therap. 615.852
    practitioners and state
      laws public health 614.24
  sects 280

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Christian (cont.)
socialism polit. econ. 335.7
traditions eccles. polity 262.7
union sect. history 280
unions, young men's, non-evangelical relig. 267.233
Christiania history 948.2
Christianity
and birth rate demog. 312.1
science apologetics 239.8
spiritualism
sect. hist. 289.9
church history **270–289**
conversion to Rus. hist. 947.02
Scan. " 948.02
evidence of apologetics **239**
[1] **liberal Unitarianism** **288**
primitive church hist. 270.1
Christians biography **922**
[1] **Campbellites** **286.6**
Christiansand history 948.2
Christine de Pisan Fr. fict. 843.21
Christmas
carols music 783.65
folklore 398.33241
fund banking 332.24
music fine arts 783.28
ritual, Catholic 264.021
Greek 264.0191
Prot. Epis. 264.031
etc.
school holiday 371.365
social customs 394.268
trees forest products 634.983
see also Nativity
Christology doc. theology **232**
see also Jesus Christ
Christ's thorn (Apocynaceae)
fruitculture 634.744
Chromaffin tissue anatomy **611.4**
Chromates mineralogy 549.74
Chromatic
aberration optics 535.4
sensations drawing 741.45
sensibility physiology **612.8433**
psychology **152.133**
Chromaticism music 781.22
Chromatics optics 535.6
Chromatography fine arts **752**
Chromatolysis physiology 612.01424
Chromatophores physiology 612.796
Chromesthesia psychology **152.7712**
Chromisms
auditory
physiology of vision 612.84373
psychology " " 152.1373
psychology **152.7712**
Chromium
and iron groups chem. **546.7**
group chemistry **546.75**
mining 622.346
ores geology, econ. 553.46
processes
dusting-on phot. 773.2
dye photography 773.52
photography 772.42
pigmented phot. **773.12**
sensitizers
photometalography 776.1
work fine arts **739.58**
Chromocollography phot. 774.8
Chromocyanotypes " 772.42
Chromograms photography 778.65
Chromolithography
engraving 764
photographic fine arts 775.8
Chromometer, Stead's
quantitative analysis 545.8
Chromophilic bodies histol. 611.01882
Chromophotography f. arts **778.6**
Chromoplasts veget. cytol. 581.87333
Chromoscopes photography 778.65
Chromosome
and soma in variation bot. 581.151252
bodies veget. cytol. 581.87323
physiology 612.01424
reduction veget. cytol. 581.876234
Chromosphere astron., solar 523.75
Chromotypes photography 773.122
Chromoxylography
wood engraving 761.283
Chromulinales botany 589.974555
Chronicles Bible 222.6
history
in specific fields
[2] see subj. —09
Chronograms chronology 529.3
Chronograph
aircraft equipment 629.1358
astronomy 522.52
horology, astronomic 529.78
manufactures 681.1184
psychometry 152.8322

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Chronologic
catalogs bibl. 018
instruments horology 681.11
order office filing 651.5335
Chronologies history 902
Chronology astronomy 529
Biblical 220.94
NT 225.94
OT 221.94
Chronometers
aircraft equipment 629.1358
and longitude finding
astronomy 525.47
astronomy 522.51
horology, astronomic 529.78
manufactures 681.1144–5
psychometry 152.8322
Chronometry, mental
psychometry 152.83
Chronophotography
fine arts 778.52
physiol. of locomotion 612.761
Chronoscopes aircraft equip. 629.1358
manufactures 681.1184
psychometry 152.8322
Chroococcales botany 589.82
Chroolepidaceae " 589.47427
Chrysanthemum balsamita
(Carduaceae) garden crops 635.74
Chrysanthemums (Anthemidaceae) botany 583.5537
Chryselephantine sculpture
fine arts 731.27
Chrysididac entomology 595.795
Chrysippus philosophy 188.3
Chrysobalanoideae
(Rosaceae) botany 583.37
Chrysobotris femorata
(Tetramera) agric. pests 632.768
Chrysocapsales botany 589.974552
Chrysolitic rocks petrology 552.48
Chrysomonadales botany 589.97455
Chrysophaerales " 589.97454
Chrysophyceae " 589.9745
Chrysophyllum cainito
(Sapotaceae) fruitculture 634.433
Chrysotrichaceae botany 589.171
Chrysotrichales " 589.97453
Chrysotype processes phot. 772.24
Chrystolotypes photography 772.13
Chthonism comp. religion 291.2128
Chua history 967.616
Chuai Japanese history 952.0127
Chuanchow, China " 951.245
Chubu history 952.14
[4] **Chudic language** 494.543
Chufa (Cyperaceae) botany 584.841
Chufou, China history 951.14
Chugoku history 952.19
Chukiang River, China hist. 951.27
Chukyo Japanese hist. 952.021215
Ch'un-Ch'iu age
Chinese hist. 931.04
Chungking, China history 951.382
Chungshan, China history 951.27
Chunnennuggee Ridge, Ala
history 976.14
Church
ancient religious hist. 270.1–.2
and
civilization theology 261.6
clergy canon law 348
education sociology 377.8
intellectual devel.
theology 261.5
juvenile courts
criminology 364.528
laboring classes theol. 261
morals theology 261.4
polit. freedom relig. 261.75
progress religion 261.6
soc. problems theol. 261
state eccles. polity 261.7
ethics 172.3
polit. science 322
religious
persecutions 272
union of
ch. hist. 270.7
see also Papacy vs secular power
Sunday schools 268.48
antiquities 209.01
Apostolic persecutions 272.1
[1] **sect. hist.** 281.1
architecture 726
attendance pub. worship 264
authority eccles. polity 262.8
benefices cleric support 254
biography of 922
calendar chronology 529.44
ritual, Catholic 264.021
Greek 264.0191
Prot. Epis. 264.031
etc
ceremonies soc. customs 394.4
Christian 260–289
councils eccles. polity 262.4
gen. ch. hist. 270
sect. history 280

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Church (cont.)
decoration ecclesiology 246
theology 247
discipline eccles. polity 262.9
disestablishment theol. 261.7
entertainments religion 259
fathers, work of
sectarian history 281.1
federation sect. hist. 280
festivals, *see* Feasts, relig.
finance religion 254
furniture ecclesiology 247
grounds lands. art 712.76
history 270–289
medieval 270.3–.5
of England 274.2
Siberia 275.7
US 277.3
etc
see also Non-Christian religious history
housekeeping dom. econ. 647.9
influence
crime prevention 364.44
theology 261
junior religion 261
Latin language, modern philology 479
law jurisprudence 348
legends religion 209
for spec. topics see topic
membership religious ordinances 265.2
missions, *see* Missions
music, *see* Music, relig.
of England
see Prot. Epis. ch.
France, Little
[1] **Cath. schisms** 284.83
Jesus Christ of
[1] **Latter-day saints** 289.3
Rome, *see* Catholic ch.
[1] **Scotland** 285.2
the Brethren Dunkers 286.5
[1] **the New Jerusalem** 289.4
polity theology 262
power religion 261.73
primitive relig. hist. 270.1
property
and taxation pub. fin. 336.294
cleric support 254
monastic relig. 271
polit. science 322
rates cleric support 254
sacraments theology 265

Church (cont.)
schools education 377
libraries 027.83
religion 268
see also Religious education, Sunday schools
services
Catholic ritual 264.02
Greek " 264.019
Prot. Epis. " 264.03
etc.
theology 264
states eccles. polity 262.132
statistics religion 209
towers architecture 726.597
traditions eccles. polity 262.7
trials church polity 262.9
unity sectarian hist. 280
vs barbarism theology 261.3
work of the religion 260
see also Religion, etc.
Churches
Amer. revolution 973.315
architecture 726.5
burial in customs 393.1
pub. health 614.613
city planning 711.666
cooperating sect. hist. 280
eastern sect. history 281.5
European war 940.3152
federation of sect. hist. 280
hygiene of dwellings 613.55
national, vs organic unity religion 261.8
oriental sect. history 281.5
US Civil war 973.715
Churchill, Charles Eng. wit 827.61
[4] **Church-Slavonic language** 491.81701
Churchyard
cemeteries lands. art 718.8
monuments architecture 726.82
Churning butter industry 637.2332
Churns " " 637.2322
Churra sheep (Bovidae)
domestic animals 636.366
Churrigueresque archi. 724.19946053
Churubusco, Mexico, battle 1847 US history 973.6238
Chute wagons agriculture 631.3735
Chutes domestic economy 643.6
gravity- logging 634.98255
Chuting, trail- " 634.982526
Chyle hematopoiesis 612.119
physiology 612.3327
Chyliferous vessels physiol. 612.33273

Chyluria physiology 612.46662
Chyme movement in
intestines 612.3371
Chytridiineae botany 589.285
Cibber, Colley Eng. drama 822.54
Cibol (Liliaceae)
garden crops 635.264
Ciboria architecture 729.934
Cicadas (Homoptera)
agricultural pests 632.7531
Cicadellidae (Homoptera)
agricultural pests 632.7535
Cicadidae entomology 595.7531
Cicatrix leaf anatomy 581.49724
Cicatrization
botanic ontogeny 581.135355
hepatic physiology 612.359
osseous " 612.753
physiology 612.603
Cicer arietinum (Fabaceae)
garden crops 635.657
Cicero, M T Latin letters 876.1
lit. 875.1
philosophy 186.3
Cichoriaceae botany 583.552
Cichorium intybus (Cichoriaceae) garden crops 635.137
Cid Campeador Sp. poet. 861.27
Poema de mio " lit. 861.12
Cider products chem. tech. 663.1
Cienfuegos, Nicasio Alvarez de
Spanish poetry 861.48
Cigars and cigarets mfg 679
see also Tobacco
Cilia cytology 611.01818
veget. morphology 581.4732
vibratile physiol. 612.72
Ciliary
body anatomy 611.8425
ophthalmology 617.72
physiology 612.8425
psychology 152.125
see also Eyelashes
ganglion anatomy 611.89152
glands anatomy 611.775
locomotion botany 581.186622
Ciliata zoology 593.17
Cilicia history 956.4
ancient 939.35
Cilioflagellatae botany 589.973
Cimarron
county, Okla history 976.613
River, " " 976.63
terr., " " 976.612
Cimborios roof constr'n 721.555
Cinch card games 795.41
Cinchonoideae (Rubiaceae)
botany 583.52
Cincinnati, city, O hist. 977.178
Daughters of the 369.132
Society of the 369.131
Cinema, *see* Moving pictures
Cineraria (Senecionidaceae)
botany 583.5536
Cinerary urns
burial customs 393.2
public health 614.62
Cinerascentae (Euvites)
agriculture 634.844
Cinerea anatomy 611.822
vitis agric. 634.8443
Cinnamon
(Lauraceae) field crops 633.833
wild (Canellaceae) bot. 583.137
Cino da Pistoia It. poetry 851.16
Cinquecento architecture 724.14507
Cinsaut grape viticulture 634.8544
Cipher notation music 781.24
Ciphers arts & crafts 745.6
radio services 621.38419211
writing methods 652
Circaeasteraceae botany 583.1173
Circassia history 947.9
Circassian
languages 499.9613
sheep (Bovidae) dom. anim. 636.385
Circle German loc. gov't 352.04303
great navigation 527.5
of Willis anatomy 611.1349
Circles
geometric perspective 515.65
geometry 513.21
Circle-tombs archeology 571.95
Circuit
breakers elec. stations 621.31736
closure adjustment geod. 526.55
court reports US law 345.41
parts radio 621.384133
tube " 621.384132
Circuits
phantom telegraphy 621.38295
power radio interference 621.3841542
radio engineering 621.38412
Circular
arches archi. constr'n 721.41
cell block prison bldgs 365.53
domes arched constr'n 721.46
functions trigonometry 514.1
roofs archi. constr'n 721.593
trip passenger rates
railways 385.1322363

Circulars
direct advertizing 659.133
of information
[1] **univ. & col.** 378
[1] **Circulating libraries** 027.3
free 027.4242
Circulation
and respiration
physiology 612.213
respiratory chem. 612.2273
secretion physiol. 612.401–.402
special organs 612.19
vagus nerve physiol. 612.819911
architectural plans 729.25
artificial physiology 612.1725
biology 574.11
capillary physiology 612.135
cerebral
in sleep physiol. 612.82174
physiology 612.824
dept library admin. 025.6
hepatic physiology 612.3515
hydraulic aspect of
physiology 612.13
intestinal physiology 612.3355
lymphatic " 612.423
money fin. economics 332.414
muscular physiology 612.74161
oceanic physiography 551.47
ocular physiology 612.8426
psychology 152.126
of gases physiol. bot. 581.12123
newspapers journalism 070.33
physiologic botany 581.11
prenatal physiology 612.179
pulmonary " 612.2158
pressure in 612.148
renal physiology 612.4634
retinal " 612.84313
splenic " 612.412
tolerance coins 332.419
uterine physiology 612.6271
velocity of " 612.15
Circulators voltaic cells 621.3525
Circulatory
organs **biol. comp. anat.** 574.41
bot. " " 581.41
organography
biol. 574.71
bot. 581.71
zool. 591.71
veget. histology 581.841
zool. comp. anat. 591.41
Circulatory (cont.)
system
anatomy 611.1
and medicines therap. 615.71
pathology 616.1
physiology 612.1
physiologic zoology 591.11
surgery 617.41
Circumanal glands anatomy 611.776
Circumcision birth customs 392.1
Christology 232.924
surgery 617.46
Circumflex iliac artery
deep anatomy 611.13782
external " 611.137842
internal " 611.137845
Circumnavigations travels 910.4
Circumnutation movements
botany 581.1853
Circumpolar stars
astronomy 523.89
astronomic collections 524.8
Circumposition layering
plant culture 631.5344
Circumvallation mil. eng. 623.22
Circuses
architecture 725.826
cookery for dom. econ. 641.577
ethics 175.1
recreation 791.3
social customs 394.2
Cire perdue sculpture 731.253
Cirkut cameras phot. 771.316
Cirphis unipuncta (Noctuina)
agricultural pests 632.786
Cirripedia zoology 595.35
Cirsensian games recreation 791.3
Cisleithania history 943.6
Cissoid geometry, Cartesian 516.26
Cistaceae botany 583.134
Cistales (Parietales) bot. 583.12
Cistercian monks ch. hist. 271.12
Cisternae subarachnoidales
anatomy 611.8194
Cisterns, rural san. eng. 628.7
Cistineae botany 583.134
Citadels architecture 725.183
military eng. 623.132
Citations military honors 355.134
Cités ouvrières archi. 728.13
Cithara music 787.5
Cithern " 787.6
see also Zither

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Cities
  buried antiquities 913 3
  burned folklore 398.32
  free German gov't 354.4308
  growth of administration 352.001
    demography 312.8
  inner civic arts 711.425
  scavenging of san. eng. 628.4
  types of civic arts 711.42
Citizens
  duties ethics 172.1
    polit. science 320.158
  legislative power over
    political science 328.345
  military obligations of 355.22
Citizenship
  amendment, 1868
    US constit. law 342.73
      history 973.81
  duties, teaching of
    cirriculum 375.1721
  political science 323.6
  private law 347.1
  training prisons 365.663
Citrates diuretics 615.761
Citrine perfumes (Rutaceae)
  field crops 633.813
Citron
  melon (Cucurbitaceae)
    garden crops 635.615
  (Rutaceae) fruitculture 634.331
Citrullus vulgaris (Cucurbitaceae) garden crops 635.615
Citrus county, Fla hist. 975.972
    (Rutaceae) fruitc. 634.31–.33
City
  air welfare work 361.2
  as corporation admin. 352.003
  banking, cooperative
    political economy 334.22
  bldgs civic planning 711.6
  charters administration 352.002
  employes economics 331.795
  forest policy agric. 634.92525
  gov't administration 352
  hall grounds lands. art 712.58
  halls architecture 725.137
    civic arts 711.661
  houses architecture 728.3
  libraries 027.4222
  life polit. science 323.352
City (cont.)
  missions architecture 726.98
    religion 266
  parks forestry 634.92364
  plan. civic arts 711
    commissions f. arts 711.173
    econ. production 338.91
    laws & legis. 711.172
    public health 614.781
  press journalism 070.232
  school gov't education 379.1534
  sites civic arts 711.14
  stations railways 385.33
  vs country colleges educ. 378.153
  see also Civic, Municipal, Urban
Cityward migration
  city planning 711.13
Civet bean (Fabaceae)
    garden crops 635.653
  (Viverridae) mammal. 599.74422
Civiale-Caranza process
  photography 772.12
Civic
  art fine arts 711
  centers city zoning 711.551
  development surveys
    city planning 711.11
  unity city zoning 711.52
  see also City, Municipal, Urban
Civics
  political science 320
  teaching of curriculum 375.32
Civil
  architecture 725
  authority local gov't 352
  courts public admin. 351.941
  engineering 620
  [1] **law, foreign jurispr.** 349
  liberty and church relig. 261.75
    law 347.1
    polit. science 323.44
  lists administration 351.2
  parishes city planning 711.43
  pensions administration 351.5
  procedure law 347.9
  responsibility, insur. of 368.81
  rights
    act, 1875 US hist. 973.82
    constit. law 342
    polit. science 323–324
    private law 347.1
    suspension of polit. sci. 323.49

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Civil (cont.)
service
administration 351[1]
commission formed, 1883
US history 973.84
library gov't 023.2
local " 352.005
officials biography 923.5
reform
administration 351.6
period US hist. 973.8
suffrage limitation 324.177
trials legal procedure 347.91
war
ass'ns US societies 369.15–.17
ethics 172.4
Civil war, US 973.7
addresses 973.794
anniversaries 973.76
armies, special 973.7416
army chaplains 973.778
life 973.783–.784
artillery 973.7417
blockade 973.758
caricatures 973.797
causes 973.711
cavalry 973.7417
celebrations 973.76
charities 973.777
cities participation 973.744–.749
commissariat 973.7417
conscription 973.7414
county participation 973.744–.749
dead, lists of 973.767
Decoration day 973.768
diplomatic history 973.72
draft 973.7414
dramas 973.792
drawings 973.797
engineers 973.7417
engravings 973.797
enlistment bounties 973.7413
exchange of prisoners 973.773
fiction 973.793
flag presentations 973.763
foreign elements 973.743
general orders 973.7418
guerillas 973.7417
history 973.71
home life 973.783
honor rolls 973.767
hospitals 973.776
humor 973.796
illustrative material 973.79
losses 973.7419

Civil war, US (cont.)
maps 973.799
medical corps 973.775
Memorial day 973.768
memorials 973.765
military history 973.73–.74
of units 973.744–.749
monuments 973.765
music 973.798
naval history 973.75
Negro troops 973.7415
northern states in 973.741
nurses 973.776
paintings 973.797
peace efforts 973.712
personal narratives 973.78
pictures 973.797
poetry 973.791
prisons 973.77
privateering 973.759
regimental history 973.744–.749
regular army 973.7411
religious life 973.778
results 973.714
sanitary fairs 973.7772
sculpture 973.797
secret service 973.785
sermons 973.795
services, special 973.7417
signal service 973.7417
southern states in 973.742
special classes 973.715
spies 973.785
state participation 973.744–.749
surgeons 973.775
towns participation 973.744–.749
troop quotas 973.7412
vindications 973.78
volunteers 973.7412
war meetings 973.761
Civil warfare mil. science 355.426
Civilians and maneuvers 355.58
military science 355.23
see also Noncombatants
Civility ethics 177.1
Civilization
and church theology 261.6
crime sociology 364.252
history 901
primitive archeology 571
sociology 301
Clackamas co., Ore history 979.541
Clackmannan history 941.35
Cladephoraceae botany 589.4733

Cladocera zoology 595.324
Cladochytriaceae botany 589.285
Cladoniaceae " 589.171
Cladophyls stem morphology 581.49562
Cladoxylaceae botany 585.962
paleobot. 561.5962
Claiborne co., Miss. hist. 976.2285
Tenn " 976.894
parish, La. " 976.394
Claims
against gov't pub. fin. 336.3
court of jurisprudence 347.99
for wages due economics 331.213
land pub. finance 336.13
US court of, reports 345.41
Clairette grape vitic. 634.8544
Clairvoyance
and clairaudience psychol. 133.83
hypnotism 134.52
spiritism 133.90163
Clairvoyant frauds humbugs 133.784
Clallam co., Wash history 979.799
Clambakes dom. economy 642.45
Clamps prac. chemistry 542.24
Clams
(Lamellibranchiata) fishery 639.4
(Mollusca) zoology 594.1
Clang, tonal physiology 612.8587433
psychology 152.287433
Clang-tint physiology 612.8587424
psychology 152.287424
Clans
anc. states polit. sci. 321.2
genealogy 929.2
Scottish history 941
vegetable ecology 581.553
Clanwilliam history 968.726
Clap pathology 616.952
Clare, St, Order of
religious sisterhoods 271.973
Clare co., Ire. history 941.93
Mich " 977.471
Clarendon co., SC history 975.781
Clarinet wood instr. 788.6
Clarion co., Pa history 974.869
Clarists relig. sisterhoods 271.973
Clark co., Ark history 976.749
Ida " 979.657
Ill " 977.371
Ind " 977.2185
Kan " 978.177
Ky " 976.954
Mo " 977.834
O " 977.149
Wis " 977.528
Clarke
column of anatomy 611.8223
Clarke (cont.)
county, Ala history 976.1245
Ga " 975.818
Ia " 977.7856
Miss. " 976.2673
Va " 975.598
Wash " 979 786
Clarke's determination of
earth's figure geodesy 526.15
Clark's expedition
against Detroit, 1781
Amer. revol. 973.3376
to Illinois, 1778–79
Amer. revol. 973.3348
Clarksburg, WVa history 975.458
Class
[1] **albums, univ. & col.** 378
colors student life 371.898
univ. & col. 378.28
conflict sociology 301.1532
days student life 371.896
[1] **univ. & col.** 378
express rates railways 385.132382
feeling ethics 177.5
hatreds and crime sociol. 364.256
insurance business 368.6
[1] **manuals, univ. & col.** 378
meetings pub. worship 264.8
representation legis. 328.3344
suffrage 324.227
re-unions student life 371.89
univ. & col. 378
syst. primitive production 338.62
suffrage 324.214
teachers school force 371.1473
Classed
arrangement office filing 651.5336
catalogs bibliography, 017
Classes
dangerous criminology 364.3
[1] **indiv., univ. & col.** 378
military quota system 355.22
service period 355.111
small educ. methods 371.395
school day 371.24
grades 371.25
social
and birth rate demog. 312.1
mortality
demography 312.2
pub. health 614.146
courses for curriculum 375.007
education of 371.96
political science 323.3
special, lib. work for 021.28
training, for teachers 370.75
univ. & col. 378.155

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Classic
- **antiquities** 913.38
- **archi. styles, ancient** 722.6
  - **modern** 724.1
  - **revival of** 724.2
- biography 920.038
- designs fine arts 745.44
- **geography** 912.38
- **literature** 880
- mythology comp. relig. 292
- **neo-, or pseudo-, archi.** 724.2
- [4] **philology** 480
- school polit. economy 330.153
- **sculpture** 733
- shorthand 653.51

Classicism painting schools 759.911
Classics in curriculum 375.88
Classification
- chemistry 541.9
- of blood physiology 612.118
  - books library admin. 025.4
  - **dreams psychology** 135.32
  - forest types forestry 634.94822
  - knowledge philos. 112
  - negatives phot. 770.2855
  - photographs " 770.2865
  - primary cells elec. eng. 621.3538
  - **records office files** 651.53
  - religions comp. theol. 291.14
  - roadbeds railroad eng. 625.12
  - soils agriculture 631.44
  - statis. data sociol. 311.24
  - stores bus. meth. 658.782
  - work shop manage. 658.51
  - workmen economics 331.113
  - yarns textile mfg 677.02823
    - see also special fibers
- in other specific fields
- [2] see subj. —012

Classifiers lib. economy 023.74
Classroom
- **activity teaching** 371.3
- **exhibits educ. meth.** 371.335
- **manage. school discipline** 371.5
- vs department teaching 371.4

Classrooms school archi. 727.1
- bldgs 371.621

Clathraceae botany 589.2215
Clathroptychiaceae botany 589.2932
Clatsop co., Ore history 979.546
Clauren, H, *pseud.* Ger. fict. 833.67
Clauses English syntax 425.3–.4
- [3] other lang. —53–54

Claustrum anatomy 611.81323
Clavariaceae botany 589.222
Clavichord music 786.221
Clavicle anatomy 611.7172
Clavicornia entomology 595.763
Clavilux, *see* Color organs
Clay, Henry Amer. oratory 815.25
Clay
- chemic technology 666.4
- county, Ala history 976.158
  - Ark " 976.7995
  - Fla " 975.916
  - Ga " 975.8927
  - Ill " 977.3795
  - Ind " 977.244
  - Ia " 977.715
  - Kan " 978.1275
  - Ky " 976.9145
  - Minn " 977.692
  - Miss. " 976.2945
  - Mo " 977.816
  - Neb " 978.2357
  - NC " 975.6985
  - Tenn " 976.849
  - WVa " 975.467
- modeling elem. educ. 372.53
  - sculpture 731.252
- petrology 552.52
- radio insulating material 621.3841791014
- surfaces painting, art 751.2264
- tablets as money 331.54

Clays, baked ceramics 738.6
- geol., economic 553.61

Clayton co., Ark history 976.7995
- Ga " 975.843
- Ia " 977.736

Clayton-Bulwer treaty, 1850
- international law 341.273
- US history 973.64

Clean cutting silviculture 634.9522
Cleaners, vacuum
- domestic economy 648.52
- engineering 621.55

Cleaning
- business chemic tech. 667.1
- **crops agriculture** 631.562
- **domestic sanitation** 648
- dry dom. economy 646.6
- garages architecture 725.383
- of streets san. eng. 628.46
- pneumatic engineering 621.549
- *see also* Disinfection

Cleanings silviculture 634.9533
Cleanliness
- of body school bathing 371.735
  - hygiene 371.712
- **personal hygiene** 613.4
- zootechny 636.0832

Cleanouts steam boilers 621.18455
Cleanthes philosophy 188.2
Clean-up week san. eng. 628.44
Clear Creek co., Colo hist. 978.861
Clearfield co., Pa history 974.861
Clearing
baths phot. chemistry 771.546
houses fin. credit 332.78
lib. duplicates 025.267
stock exchanges 332.61
photography 770.2837
stock & commodity exchanges 332.64
Clearings bank checks 332.76
Clearness radio receivers 621.38413612
Clearstory church archi. 726.594
Clearwater
county, Ida history 979.688
Minn " 977.683
Mts, Ida " 979.682
nat'l forest, Ida. descr. 917.9688
River valley, " hist. 979.685
Cleated doors archi. constr'n 721.837
Cleats door construction 721.838
Cleavage
crystallography 548.3
embryology **611.01331**
geology 551.84
planes formation engineering materials 620.1125
vegetable cytology **581.87624**
Cleburne co., Ala history 976.164
Ark " 976.7285
Cleft grafting agric. 631.54131
Cleistogamy botany 581.166242
Cleman Mts, Wash history 979.755
Clematis (Ranunculaceae)
botany 583.111
Clemency criminology **364.6**
ethics 179.9
Clemens, S L American wit 817.44
Clement, St philosophy 189.2
Clementine sheep (Bovidae)
domestic animals 636.373
Clementines pseudepigrapha 229.93
Cleomoideae (Capparidaceae) 583.131
Cleones, Erilo, pastore
Arcade, *pseud.* It. poetry 851.55
Clepsydra horol. 681.1111
astron. 529.78
Clerc, Jan de Dutch lit. 839.3181
Clergy
American revolution 973.315
and church canon law 348
benefit of legal antiq. 340.3
Clergy (cont.)
biography **922**
celibacy of pastoral theology 253
ecclesiastic polity **262.1**
ethics 174.1
European war **940.3152**
in legislative bodies polit. science 328.3324
life & duties of relig. 253
pastoral work **250**
reserves Can. history 971.3
US Civil war 973.715
Cleric support
pastoral theology 254
tax pub. finance 336.279254
Clerical service lib. econ. **023.76**
Clerks
desks architecture 729.92
in sales dept bus. manage. 658.813–.815
legislative bodies 328.3623
office economy 651.3743
Clermont co., O history 977.179
Clethraceae botany 583.622
Cleveland, Grover, pres.,
1st term US history 973.85
2d " " " 973.87
Cleveland
bay horse (Equidae)
dom. animals 636.1421
city, O history 977.132
county Ark " 976.769
NC " 975.6775
Okla " 976.637
Clevener grape viticulture 634.843209
Clichés journalism 070.324
printing 655.32
Click-beetle (Sternoxia)
entomology 595.765
Cliff dwellings
archeology 571.84
city planning 711.423
Clifton Forge, Va history 975.5811
Climaciaceae botany 588.21533
Climacterics
and mortality pub. health **614.13**
physiology **612.66**
Climacus, Johannes, *pseud.*
Danish essays 839.81462
Climate
and clothing dom. econ. **646.09**
cookery " " **641.59**
crime sociology 364.22
ecologic anat. bot. **581.52255**
farming agric. 631.9

Climate (cont.)
and food rationing
physiology 612.3955
forests agric. 634 9222
gardens lands. art 712.6244
growth botany **581.134152**
man somatology 573.4
migration polit. sci. 325.13
phot. fine arts 778.75
plants veget. ecol. 581.52237
respiration physiol. 612.2233
seasons anim. ecol. 591.54
biology **575.34**
veget. ecol. **581.54**
work psychology 158.738
astron., terrestrial **525.5**
city planning 711.14
effects of pathology 616.988
pub. health 614.87
farm economics 631.11
forest ecology 634.9476
hygiene 613.11
influence
in Florida floric. **635.9529759**
Scotland " **635.952941**
Venezuela " 635.952987
etc.
on plants " **635.9528**
radio transmission **621.3841155**
therapeutics 615.834
see also Seasons
Clamatic
birth rate demog. 312.1
conditions indus. manage. 658.211
effects diff. psychology **136.25**
variation viticulture 634.8363
zones veget. ecology **581.52444**
Climatology
and contageous diseases
[1] **public health** 614.42
meteorology **551 5**
Climbers (Scansores)
ornithology **598 7**
Climbing
plants floriculture **635.974**
landscape art 715.17362
veget. ecology 581.52643
rate indicators aircraft 629.13514
shrubs floriculture **635.97635**
sports **796.52**
tests aircraft 629.1345
Clinch co., Ga history 975.881
Mts, Tenn. descr. 917.6893
River " hist. 976.873
Clinics in prisons sociol. 365.664
juvenile courts 364.525
med. education **610.7**
school hygiene 371.712
sociology 362.12
in other specific fields
[2] see subj. —072
Clinometers aircraft equip. 629.13516
Clinton co., Ill history 977.3875
Ind " 977.255
Ia " **977.767**
Ky " 976.965
Mich " 977.424
Mo " 977.8155
NY " 974.754
O " 977.1765
Pa " 974.854
Fort Amer. revol. 973.3335
grape vitic. 634.843209
Clipped trees lands. art 715.266
Clipping agric. pruning 631.54223
coins 332.419
zootechny 636.0833
Clippings
library acquisition 025.175
administration 025.175
preservation 025.8
literary methods 029.3
in specific fields
[2] see subj. —0822
Clips
adhesive office supplies 651.4662
office fittings 651.4652
Cliques, indus. production 338.84
Clisiocampa (Bombycina)
agricultural pests 632.787
Clitoris anatomy 611.675
Cloak rooms, railway archi. 725.316
Cloakmaking dom. economy **646.45**
trades 687.1
Clock
and watch making horol. **681.11**
cases artistic furn. 749.74
fine arts **739.3**
manufactures 681.112
cord " 677.74
factories architecture 725.43811
parts horology **681.112**
records office files 651.525
systems horology **681.111**
towers architecture 725.976
Clockrepairing mech. trades 681.1128

Clocks
aircraft equipment 629.1358
ancient horology 681.1111
domestic economy 645.5
horol., astronomic 529.78
library equipment 022.923
manufactures 681.113
office equipment 651.239
public city planning 711.68
sidereal astronomy 522.51
Clod breakers farm tools 631.3143
Clods silk waste indus. 677.443
Clog dance recreation 793.3
Cloisonné enamel ceramics 738.43
Cloistered
arches arched constr'n 721.44
nuns relig. orders 271.96
vaults arched constr'n 721.44
church history 271
in cathedrals archi. 726.691
monasteries " 726.793
Cloquet, canal of anatomy 611.8447
Close communion Baptists 286
Eucharist 265.3
Close vs broad classification
library administration 025.4
Closed shop economics 331.889
Closet system san. eng. 628.43
water " " 628.6
Closing business letters 651.753
Closteriaceae botany 589.613
Clotbur (Ambrosiaceae) bot. 583.5546
Cloth
manufactures 677
of gold special fabrics 677.61
weave manufactures 677.02864
see also special fibers
Clothesmaking dom. econ. 646.4
Clothes-moth (Heterocera)
entomology 595.782
Clothing
aircraft equipment 629.1357
child welfare 362.77
dept. military admin. 355.66
domestic economy 646
factories archi. 725.417
hygiene 613.48
industry trades 687
influences diff. psychology 136.28
laboring classes 331.836
military equipment 355.81
physiology of 612.5211
poor relief 362.54
prisoners' sociology 365.664
trimmings for mfg 677.76
see also Dress
Cloud
county, Kan history 978.125
effects lands. constr'n 713.4
worship comp. religion 291.2125
Clouds
aeronautics 629.13247
artificial agric. prot'n 632.114
meteorology 551.57
Clove (Myrtaceae)
field crops 633.832
Clover
bur- (Fabaceae) field crops 633.31
(Fabaceae) apic. pasturage 638.136
field crops 633.32
zootechny 636.08632
Japan- (Fabaceae)
field crops 633.364
sweet (Fabaceae)
field crops 633.366
Clover-headers agric. 631.3543
Clowns recreation 791.1
Club houses architecture 728.4
libraries 027.68
[1] **proprietary** 027.2
rooms school bldgs 371.625
Clubfoot surgery 617.39
Club-mosses
higher (Lepidodendrineae) 587.91
lower (Lycopodineae) 587.92
(Lycopodiales) 587.9
Club-rush (Cyperaceae) 584.841
Clubs
adult education 374.2
athletic hygiene 613.706
boys' & girls' agric. educ. 630.717
sociology 369.42
city planning 711.667
girls' sociology 369.46
library, local 020.62
political 363
reading, study, etc.
library functions 021.41
residential
domestic economy 647.94
hygiene of dwellings 613.52
social, of Detroit 367.977434
London, Eng. 367.9421
Toronto 367.9713541
etc.
sociology 367
student, *see* Student soc. and clubs
table system 642.54
teachers' education 370.62
in other specific fields
[2] see subj. —062

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Clun Forest sheep (Bovidae)
domestic animals 636.3243
Clusioideae (Guttiferaceae) 583.163
Clustered windows archi. 721.843
Clustering habit apic. 638.12153
Clusters & nebulas
astronomy, stellar 523.85
Clutch brakes mot. veh. 629.2443
Clutches mech. eng. 621.825
mot. veh. 629 2442
Clydesdale
history 941.43
horse (Equidae) dom. anim. 636.1521
Clypeosphaeriaceae botany 589.2351
Cneoraceae " 583.242
Cnidaria zoology 593.5
Coach
athletic school hygiene 371.74
horse (Equidae) dom. anim. 636.14
houses architecture 728.949
Coaches
local transit 388.3
manufactures 684
mot. veh. 629.2223
operation 629.2833
transport business 656
Coaching educ. methods 371.394
horsemanship 798.64
priv. education 373.1
sports 796.07
voice culture 784.9
Coachman dom. economy 647.3
Co-Adamites doc. theology 233.11
Coagulation
mesology 612.0144625
of albuminoids physiol.
of nutrition 612.398133
blood and leucocytes
physiology 612.1125
physiology 612.115
milk " 612.664171
see also Curdling
Coahoma co., Miss. history 976.244
Coal
bunkers, railway archi. 725.33
chemic technology 662.6
county, Okla history 976.667
domestic heating 644.22
dust as fuel
steam boilers 621.18225
elevators architecture 725.364
endurance shipbuilding 623.81
gas heating prac. chem. 542.44
geology, economic 553.2
heating operations
practical chemistry 542.42
Coal (cont.)
metallurgy 669.8
mineralogy 549.8
mining 622.33
oil chemic tech. 665.4
geology, econ. 553.28
products economics 338.272
region, Ala history 976.17
silk industry 677.473
steam boiler fuels 621.18222
stoves kitchen equip. 643.332
washing mining 622.78
Coalescence
abnormal
surgery 617.33
veget. teratology 581.221
incomplete surgery 617.32
of fetuses, *see* Fetuses
coalescent
Coals, asphaltic geol., econ. 553.27
Coal-tar
colors dyeing indus. 667.2
products chemic tech. 668.7
therapeutics 615.75
Coast
and geodetic survey, US 526.061
artillery ballistics 623.553
mil. science 358.1
ordnance 623.417
changes geology 551.36
cities civic arts 711.421
defense military eng. 623.3
sci. 355.45
naval " 359.35
frontiers polit. sci. 320.1288
guard libraries 027.657
guards naval sci. 359.97
mounts ordnance 623.433
patrol aircraft service 629.13843
ranges, Calif. hist. 979.41
south hist. 979.47
Ore history 979.51
Wash " 979.79
tides astronomy 525.64
Coastal
pine meadows, Miss. hist. 976.211
plain, Ala history 976.11
Ga " 975.87
NC " 975.61
Okla " 976.66
SC " 975.75
upper, Ala hist. 976.18
Coasting sports 796.95
Coasts hydrography 526.99
Coastwise trade commerce 387.524

Coati (Procyonidae)
mammal. 599.74443
Coating
materials, nonsensitive
phot. chemistry 771.58
painting technique 751.41
papers photography 770.2813
plates & films phot. 770.2812
Coatings
photographic chemistry 771.528
protective painting 751.25
Coatrooms indus. archi. 658.237
Coats
house dom. economy 646.43
of arms
heraldry 929.8
nat'l polit. sci. 320.18
rare bookbindings 095
univ. & col. 378.27
seed anatomy 581.46724
Cobaeoideae (Polemoniaceae) 583.7611
Cobalt chemistry 546.73
mining 622.348
ores geol., econ. 553.48
processes phot. 772.27
Cobb co., Ga history 975.8245
Cobblestone pavements eng. 625.82
Cóbh, Ire. history 941.95
Cobnut (Corylaceae) nucic. 634.54
Cobs (Equidae) dom. anim. 636.13
Coca (Erythroxylaceae) bot. 583.212
Cocain anesthetics 615.781
surgery 617.9
toxicology 615.96
veget. drugs 615.323212
Cocainism ethics 178.8
hygiene 613.85
medicine 616.86
psychology 132.73
Cocaus, Merlinus, *pseud.*
Italian wit 857.31
Coccaceae botany 589.953
Coccidae entomology 595.7523
Coccogonales botany 589.82
Coccolithophoraceae bot. 589.974552
Coccoloba (Polygonaceae)
floridana fruitc. 634.665
uvifera fruitc. 634.664
Coccoloboideae
(Polygonaceae) 583 917
Cocculus (Menispermaceae)
botany 583.116
Coccus lacca (Coccidae)
lac industry 638.323
Coccygeal
gland anatomy 611.48
joints " 611.7218
nerves & plexus anat. 611.836
Coccygeus anatomy 611.7369
Coccyx anatomy 611.7118
Cochetopa nat'l forest, Colo.
description 917.8849
Cochil sapota (Sapotaceae)
fruitculture 634.343
Cochin China
history 959.7
fowls (Gallinae) agric. 636.5851
Cochineal (Coccidae)
agriculture 638.35
dyeing industry 667.2
Cochlea
membranous anatomy 611.8521
pathology 617.88
physiology 612.8584
psychology 152.284
osseous anatomy 611.853
Cochlear nerve
anatomy 611.83181
nucleus of anat. 611.8177
Cochlospermaceae botany 583.136
Cock
fights recreation 791.8
(Gallinae)
ornithology 598.61
poultry farming 636.5
Cockatoo (Psittacidae)
ornithology 598.71
Cocke co., Tenn history 976.8895
Cockles (Lamellibranchiata)
fishery 639.4
Cockpit aircraft constr'n 629.13434
Cockroaches (Cursoria)
agricultural pests 632.722
domestic " 648.7
Cocks mech. engineering 621.846
Coco
palm (Palmaceae) fruitc. 634.61
(Sterculiaceae) botany 583.18
Cocoa adulterations 614.347
beverage cookery 641.87
chem. technology 663.9
see also Cacao
Coconsciousness psychology 153.8
Coconut (Palmaceae)
fiber field crops 633.581
textile mfg 677.18
fruitculture 634.61
Cocos island history 969.84

Cod (Anacanthini)
ichthyology 597.56
Code
Napoleonic French law 349.4402
syst., automatic telegraphy 621.3824
hand operated " 621.3823
Codes
English law 346.2
radio services 621.38419211
telegraphic elec. eng. 621.38215
US law 345.2
writing methods 652
Codiaceae botany 589.4723
Codiales " 589.472
Codification
legislature 328.23
of US law jurispr. 345.2
Codling-moth
(Microlepidoptera)
agricultural pests 632.782
Coeducation of races 371.99
vs segregation 376.7
Coelastraceae botany 589.47522
Coelenterata zoology 593.3
Coele-Syria history, anc. 939.42
Coelom anatomy 611.389
embryology 611.01366
Coenobiales botany 589.47534
Coenocites veget. cytol. 581.8772
Coenogametes
vegetable embryology 581.3264
Coenogoniaceae botany 589.171
Coeur d'Alene
city, Ida history 979.6941
Mts, " " 979.691
nat'l forest, Ida. descr. 917.9694
Coffee
adulteration 614.347
and nutrition physiology 612.3932
beverage cookery 641.87
blending chemic tech. 663.9
county, Ala history 976.134
Ga " 975.8823
Tenn " 976.864
ground reading divination 133.324
heart stimulants 615.711
houses dom. economy 647.95
soc. customs 394.1
temperance 178
hygiene 613.37
(Rubiaceae) field crops 633.73
Coffeoideae (Rubiaceae) bot. 583.52
Cofferdams architecture 721.171
bridge eng. 624.1571
hydraulic eng. 627.8
Coffers art. furniture 749.38
Coffey co., Kan history 978.1645
Coffeyville " " 978.1932
Coffins burial customs 393.1
pub. health 614.614
Cognition, direct psychol. 156.22
metaphysics 126
psychology 153
time psychometry 152.834332
Cogwheels mechanic eng. 621.83
Cohahuila history 972.1
Coherers radio detectors 621.38413626
Cohesion
abnormal veget. teratology 581.2212
physics 539.2
physiologic botany 581.1151
Cohosh, blue
(Berberidaceae) botany 583.117
(Ranunculaceae) " 583.111
Coil antennas radio 621.3841354
supports " equip. 621.38413388
Coils
choke electric eng. 621 3146
electricity 537.86
theoretic 537.51
inductance radio 621.38413322
induction
elec. engineering 621.3147
mot. veh. ignition 629.2545
radio transmitting 621.3841316
radio capacity
measurements 621.384172
Coin collectors telephony 621.38692
trays office fittings 651.4656
Coinage
act, 1873 US history 973.82
admin. regulation 351.822
financial economics 332.46
int'l fin. econ. 332.43
laws " " 332.47
metals " " 332.418
profits pub. finance 336.18
Coining numismatics 737.44
Coins counterfeiting 332.92
fin. economics 332.419
numismatics 737.4
Coir (Palmaceae)
fiber crops 633.581
textile mfg 677.18

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Coke chem. technology 662.7
metallurgy 669.8
Cola (Sterculiaceae)
field crops 633.76
pharmacy 615.32318
Colas process phot. 772.23
Colbert co., Ala history 976.1915
Colby's apparatus geodesy 526.22
Colchester co., NS hist. 971.612
Colchis history, anc. 939.53
Cold
action of mesology 612.01443
and heat
effect on organism 612.59
sensation physiology 612.882
psychology 152.5732
antipyretic therap. 615.75
blooded horses (Equidae)
domestic animals 636.15
curative therapeutics 615.832
frames agric. equip 631.3442
prot'n 631.5442
floriculture 635.984
landscape art 717.66
Harbor, Va, battle, 1864
US Civil war 973.7368
houses architecture 728.98
injuries from pathol. 616.988
pub. health 614.87
meteorology 551.52
paradoxic physiology 612.882
psychology 152.5732
prot'n from zootechny 636.08361
spots tactile physiol. 612.882
psychol. 152.5732
storage
bldgs, commer. archi. 725.35
priv. " 728.97
chemic technology 664.8
domestic economy 641.48
thermology 536
Colds pathology 616.205
Cole co., Mo history 977.855
Colenso controversy Bible 222.1
Coleochaetaceae botany 589.47424
Coleoptera agric. pests 632.76
entomology 595.76
Coleosporiaceae botany 589.225
Colerain grape viticulture 634.847
Coleridge S T Eng. poetry 821.72
Coles co., Ill history 977.372
Colesberg history 968.768
Coleshill swine (Suidae)
domestic animals 636.4223
Colfax co., Miss. history 976.2945
Neb " 978.253
Colic artery anatomy 611.13652
lymph glands anat. 611.4656
painter's pathol. 616.97
pathology 616.34
renal pathology 616.62
Colima history 972.3
Colins doctrines socialism 335.34
Coliseums architecture 725.826
Collaboration, in specific
[2] fields see subj. —0189
Collapse, pulmonary pathol. 616.249
Collar bone anatomy 611.7172
stem " 581.49522
Collards (Brassicaceae)
garden crops 635.347
Collars dom. economy 646.48
Collateral
instr. fin. credit 332.77
loans " economics 332.745
reading educ. methods 371.32
Collecting
art objects fine arts 708.051
books bibliophily 010
lib. accession 025.2
data statistics 311.22
museum material 069.4
natural science 579.6
payment bus. meth. 658.88
Collection charges, express
railways 385.132391
Collections
artificial, in specific fields
[2] see subj. —0891
filed museum econ. 069.57
lending " " 069.56
literary 808.8
Amer. 810.82
Eng. 820.82
[3] other —082
museum economy 069.5
of useful knowledge 602
special lib. accession 025.2
admin. 025.1
rooms for 022.64
study museum econ. 069.55
in other specific fields
[2] see subj —08
Collective
bargaining labor econ. 331.116

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Collective (cont.)
bodies, in specific fields
[2] see subj —06
farms agriculture 631.115
cooperation 334.61
production 338.12
telepathy psychology 133.824
Collectivism polit. econ. 335
Collectivistic mentality
sociology 301.15
Collectors, art fine arts 706.9
elec. traction 621.3344
manuals biology 579
Collects Catholic ritual 264.026
Greek " 264.0196
Prot. Epis. " 264.036
etc.
College
curiosa education 378.0883
electoral suffrage 324.249
entrance examination
board 371.214
humor education 378.0883
journalism " 378.05
library courses 020.716
periodicals journalism 070.489
slang education 378.0144
songs music 784.622
women, ass'ns of educ. 376.66
duties of " 376.64
year education 378.14
Colleges
agricultural 630.711
and lycées, Fr. admission 371.21344
universities, *see* Universities and colleges
[1] **business 650.711**
[1] **teachers' education 370.73**
Collegiants Remonstrants 284.9
Collemataceae botany 589.171
Collenchyma veget. histology 581.82732
Collenuccio, Pandolfo
Italian essays 854.24
Colleton co., SC history 975.795
Collier, J P, forgeries
Shakespeariana 822.33
Collier co., Fla history 975.944
Collieries mining 622.33
Colliers shipbuilding 623.826
Collimation constant astron. 522.35
Collin d'Harleville, J F
French drama 842.62
Collins, William Eng. poet. 821.57
Collisions at sea
maritime law 347.7
Collodermaceae (Endosporeae)
botany 589.2932
Collodion
and gelatin silver
processes phot. 772.13
enamel phot. 771.45
processes 773.6
processes phot. 772.14
uranium phot. 772.46
silk textile mfg. 677.461
Collographic
processes photography 774.1
photorelief 777.2
Collogravures photography 774.1
Colloid
and pigment processes
photography 773.122
reliefs, dyed phot. 773.53
Colloids chem. of solutes 541.3452
mesology 612.0144625
phot. chemistry 771.58
Colloquialisms Eng. lang. 427
[3] other " —7
[2] in specific fields see subj. —0144
Collotype ink photomech. 774.5
Colman, George Eng. drama 822.63
Cologne history 943.42
Colombard grape vitic. 634.8544
Colombia history 986
Colon anatomy 611.348
Colonial
architecture, Sp. Amer. 724.172
US 724.173
armies mil. organiza. 355.352
campaigns, 1914 Eur. w. 940.4235-9
1915 " " 940.4268
1916 " " 940.4298
1917 " " 940.4338
1918 " " 940.4388
cavalry military sci. 357.12
empire polit. science 325.317
federation " " 325.317
furniture fine arts 749.211
gardens landscape art 712.626
gov't polit. science 325.315
infantry mil. " 356.12
law English statutes 346.1
office colonization 325.315
period US history 973.2
representation legis. 328.3343
societies, US 369.12

Colonial (cont.)
system polit. sci. 325.3
tariff policies polit. econ. 337.92
warfare military science 355.427
Colonies
acquis. of polit. sci. 325.315
[1] and colonization " " 325.3
see also Colonization, Immigrants
apiculture 638.146
cellular biology 576.5
free poor relief 362.56
juvenile criminology 364.722
penal criminal law 343.2
temporary city plan. 711.582
trade with commerce 382
veget. ecology 581.554
workmen's city plan. 711.582
Colonization
agencies polit. sci. 325.3065
aid to " " 325.316
bureaus " " 325.3061
effects of " " 325.314
land economics 333.71
syst. labor economics 331.61
see also Colonies and colonization, Immigrants
Colonizing electoral frauds 324.272
Colonnaded streets
city planning 711.725
Colonnades
architectural design 729.327
carved archi. dec. 729.577
freestanding dec. lands. art 717.683
painted archi. dec. 729.477
wall constr'n 721.263
archi. " 721.373
Colonnettes archi. design 729.323
Colophons incunabula 093
Color
advertizing layout 659.1325
and attention psychology 152.723227
sound
physiol. of vision 612.84373
psychol. " " 152.1373
bearers mil. science 355.34
blindness ophthalmology 617.75
physiology 612.8455
psychology 152.155
school hyg. 371.72
cameras photography 778.6
changes, abnormal bot. 581.2242
contrast photography 778.62
contrasts drawing 741.434
physiology 612.84335
psychology 152.1335
Color (cont.)
filters phot. 771.356
chemistry 771.5342
in man somatology 573.5
plants
floriculture 635.9782
veget. variation 581.157
lansdcape art 712.26
planting 715.1732
mixture physiology 612.84334
of anim. anim. variation 591.157
blood physiology 612.111
bldgs city planning 711.65
optics 535.6
organs music instr. 786.9
physics 535.6
psychology 152.7721
theater 792
painting 752
photography f. arts 778.6
photomicrography f. arts 778.316
plate processes phot. 778.66
preferences physiology 612.84332
printing
collotype photomech. 774.8
lithography 764
metal engraving 762.883
photogravure phot. 777.18
photolithographic phot. 775.8
photometalographic 776.8
photorelief f. arts 777.28
presses mfg 681.6254
typography 655.31
typography 655.32
wood engraving 761.283
prints engraving 769.5
projection photography 778.65
pyramids physiology 612.8433012
psychology 152.133012
retention biol. collecting 579.84
sense physiology 612.8433
psychology 152.133
sensitiveness to physiol. 612.84332
sensitivity phot. chem. 771.5342
sensitometers " " 771.5345
sight physiology 612.84331
suggested by other sensations psychology 152.7712
tones photography 778.62
values drawing 741.45
variation viticulture 634.8366
Colorado
hemp (Fabaceae)
field crops 633.566
nat'l forest descr. 917.8868

Colorado (cont.)
plateaus history 978.81
River valley history 978.811
Springs, Colo history 978.8561
state, admission US hist. 973.82
history 978.8
see note under **Virginia**
Coloration of flame
practical chemistry 542.52
Colored
audition music 781.1
physiol. of vision 612.84373
psychol. " " 152.1373
glass phot. printing 771.41
moving pictures
photography 778.5342
projection phot. 778.5542
people, *see* Negro, etc.
powders processes phot. 773.2
sculpt., classic f. arts 733.128
fine arts 731.28
tiles roof constr'n 721.566
troops Eur. w. 940.403
Colorimetric method
quantitative analysis 545.8
Coloring
apparatus photography 771.45
butter industry 637.26
dyeing " 667.2
matter secretion bot. 581.1444
matters org. chem. 547
metal arts 739.15
museum technic 069.415
photographic prints 770.2843
Colors
and garden planning
landscape art 712.626
artificial dyeing indus. 667.2
ecclesiology 246.6
military science 355.15
painting 752.8
school student life 371.898
univ. & col. 378.28
use of lit. methods 029.1
Colosseum, Rome archi. 722.7
Colossians, epistle to 227.7
Colostrum physiology 612.66435
Colportage, parochial relig. 259
Colquitt co., Ga history 975.8975
Colt gun ordnance 623.4225
Coltsfoot (Senecionidaceae)
botany 583.5536
Columbae ornithology 598.65
Columbariums archi. 726.83
cemeteries 718.67
Columbates mineralogy 549.71
Columbia
city, SC history 975.7711
county, Ark " 976.759
Fla " 975.983
Ga " 975.8635
NY " 974.739
Ore " 979.547
Pa " 974.838
Wash " 979.746
Wis " 977.581
nat'l forest, Wash descr. 917.9784
Plateau history 979 73
Ida " 979.6
Ore " 979.56
River valley history 979.73
lower hist. 979.54
Columbia-Cowlitz basin
Wash history 979.78
Columbiana co., O history 977.163
Columbine (Ranunculaceae)
botany 583.111
Columbium chemistry 546.891
processes phot. 772.76
Columbus
Christopher Amer. hist. 973.15
city, Ga. history 975.8471
Miss. " 976.2971
O " 977.157
county, NC hist. 975.631
day school holiday 371.365
Knights of relig. ass'ns 267.242
Columella anatomy 611.853
Columelliaceae botany 583.829
Column, gray anatomy 611.822
Columnar constr'ns
architecture 721.3
archi. design 729.32
carved archi. dec. 729.57
door & window archi. 721.863
painted archi. dec. 729.47
Columniation archi. design 729.325
Columniferae botany 583.17
Columns
advertizing 659.134
architectural constr'n 721.373
design 729.323
carpentry 694.4
carved archi. dec. 729.573
memorial sculpture 731.76
painted archi. dec. 729.473

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Columns (cont.)
posterior spinal anat. 611.826
strength of engineering 620 11283
Colusa co., Calif. history 979.433
Colville
Indian reservation, Wash
history 979.725
nat'l forest, Wash descr 917.9725
Comanche co., Kan history 978.179
Okla " 976.648
Comb apic. nat. hist. 638.1216
building apic. 638.144
honey " 638.16522
Combat
formations mil. science 355.53
judicial legal antiq. 340.3
Combativeness instinct
psychology 158.4245
Combats, athletic 796.8
Combers textile equip. 677.02851
Combination
arithmetic 511.5
cars railway eng. 625.24
ports commerce 387.124
theory of algebra 512.5
Combinations
capital polit. econ. 339.41
industrial production 338.8
promoting bus. fin. 658.143
workmen's economics 331.88
Combines agriculture 631.3542
Combing textile process 677.02821
see also special fibers
Combles Eur. w., 1916 940.4272
1918 940.4354
Combretaceae botany 583.414
Combs textile equipment 677.02851
see also special fibers
toilet 391.5
Combustibles and safety
public health 614.831
Combustion
chemodynamics 541.39
engines, internal 621.43
mot. veh. 629.2514
locomotive boilers 621.1331
steam engineering 621.182
thermology 536.46
Comedy lit., American 812
English 822
[3] other —2
rhetoric 808.2
theater 792.2
Comella, L F Sp. drama 862.41
Comets
and meteors astronomy 523.56
astronomy 523.6
theoretic 521.7
Comfort
political economy 339.18
stations
and pollution
pub. health 614.764
architecture 725.196
city planning 711.669
indus. archi. 658.237
landscape art 717.66
sanitary eng. 628.45
Comic
literature, *see* Humor and satire
periodicals journalism 070.487
the esthetics 701.17
see also specific subject
Comics journalism 070.4498
Comintern communism 335.441
Commagene history, anc. 939.36
Command military science 355.331
Commandeering
mil. resources 355.28
Commander-in-chief mil. sci. 355.33
[1] **Commanders biography** 923.5
Commandments Decalog 222.16
Commelinaceae botany 584.38
Commemorations mil. life 355.16
Commemorative sermons
homiletics 252.9
Commencement
end of school 371.2912
[1] **univ. & col.** 378
Commensalism biology 575.35
botany 581.55722
zoology 591.55
Commerce
and migration polit. sci. 325.13
control & ownership 380 16
interstate sociology 385
regulation of priv. law 347.7
sociol. 380.1682
sociology 380
useful arts 650
Commercial
arbitration sociology 380.126
arithmetic mathematics 511.8
art advertizing copy 659.1323
drawing 741.67
aspects mot. veh. 629.213
aviation engineering 629.1382

Commercial (cont.)
banks fin. economics 332.1
bldgs architecture 725.2
care of dom. econ. 647.96
catalogs, circulars, etc.
in fields not specified
[2] see subj. —085
centers city planning 711.452
zoning 711.552
circulars library misc. 020.85
clubs architecture 725.255
correspondence 651.7
credit fin. economics 332.742
instit. fin. econ. 332.312
crises sociology 380.1242
establishments, library 020.65
in other specific fields
[2] see subj. —065
expansion sociology 380.12
fluctuations sociology 380.124
forecasts " 380.123
[1] **geography** " 380.9
industry admin. regula. 351.824
law jurisprudence 347.7
methods sociology 380.18
mobilization mil. sci. 355.26
morals ethics 174
museums business 650.74
mus. economy 069.0186
opportunities city plan. 711.14
output viewpoint
[2] in specific fields see subj. —003
panics fin. economics 332.64
paper " " 332.77
parities arbitrage 332.65
piers architecture 725.34
publications, in specific
[2] fields see subj. —085
questions music sale 781.983
radio services 621.384192
specimens mus. economy 069.46
stations radio 621.384163
subj. in curriculum educ. 375.65
travelers, YMCA work
with 267.363
traveling sales channels 658.846
Commissariat
military admin. 355.63
Commissary, camp logging 634.982255
officers mil. sci. 355.34
rooms archi. 728.93
Commission
brokers fin. economics 332.62
business retailing meth. 658.875
Commission (cont.)
city local gov't 352.008
houses stock exchanges 332.61
Commissioning of officers
military science 355.22
Commissions
advertizing 659.112
and wages economics 331.23
building constr'n 692.8
committees, bureaus, etc.
in fields not specified
[2] see subj. —06
park landscape art 712.513
parliamentary legis. 328.372
see also Committees
Commissure
extension of surgery 617.34
white spinal
anterior anatomy 611.8258
posterior " 611.8269
Commissures, cerebral
physiology 612.826
Committee
matter bus. correspondence 651.77
work legis. procedure 328.3742
Committees
commissions, bureaus, etc.,
in fields not specified
[2] see subj. —06
legislative bodies 328.3627–8
social psychology 301.1583
see also Commissions
Commodity
elevators architecture 725.36
exchanges architecture 725.253
farm economics 631.18
fin. " 332.61
express rates railways 385.132383
monetary standards
financial economics 332.56
taxes public finance 336.271
theory of labor econ. 331.016
Common
carriers commer. law 347.7
law 347
British 346
right copyright 655.61
US 345
pleas, court of jurispr. 347.99
schools elem. educ. 372.242
pub. 379.172
sense psychology 156.223
Common-law marriages
demography 312.5

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Commonplace-books
lit. meth. 029.4
Commons
college architecture 727.38
house of Eng. legis. 328.42
landscape art 712.523
student life 371.88
Commonwealth
1649–53 English history 942.063
US " 973.23
furniture f. arts 749.222
ideal polit. science 321.07
Communal
dining rooms dom. econ. 647.95
marriage sex customs 392.6
socialism polit. econ. 335.15
Communes, age of It. hist. 945.04
Fr. loc. gov't 352.04406
Ger. " " 352.04304
Communication
administrative control 351.81
apparatus manufactures 681.63
architectural plans 729.25
electric engineering 621.38
equipment aircraft 629.1355
airports 629.1366
lib. econ. 022.94
mil. sci. 355.85
farm economics 631.11
in judgment psychology 153.543
lines military science 355.415
military eng. services 358.2
news channels journalism 070.4311
of heat thermology 536.2
magnetism physics 538.2
radio engineering 621.384
sociology 380
syst. office equipment 651.262
radio 621.38415
radiotelegraphy 621.38425
radiotelephony 621.38455
telegraphy 621.382
telephony 621.385
television 621.3885
useful arts 650
Communion
close, Baptists 286
rails, altar archi. 729.917
architecture 729.968
service, *see* Eucharist, Liturgy, etc.
tables architecture 729.912
Communism polit. econ. 335.4
Communist
anarchism polit. econ. 335.833
int'ls " " 335.44
trade unionism 331.886
manifesto 1st int'l 335.421
3d " 335.441
party Rus. politics 329.947
youth int'l socialism 335.442
Communities
social polit. science 323.35
sociology 300
[1] **socialist polit. econ.** 335.9
vegetable ecology 581.55
Community
and juvenile courts criminology 364.528
centers architecture 727.97
self-culture 374.28
chest welfare work 361.8
church federation sectarian history 280
influences
and crime sociol. 364.253
crime prevention 364.44
life interests
journalism 070.433
local government 352
ownership of land polit. economy 333.2
Commutation
fares railways 385.13222
of sentence criminology 364.65
Commutators electric eng. 621.316
electricity 537.6
Comoro islands history 969.41
Compacts
ethics 174.7
int'l, *see* Treaties
Companies
affiliated bus. methods 658.163
joint stock commer. law 347.7
production 338.73
stock business manage. 658.1144
welfare sociology 360
Company
military science 355.31
of Jesus relig. orders 271.5
unions indus. rela. 331.152
Comparative
advantage economic law 338.016
legislation law 340.5
medicine, veterinary 619

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Comparative (cont.)
mythology 291
religion 290
Christian 230
wages polit. econ. 331.2
Comparetti, D P A It. essays 854.86
Comparison
psychology 153.3
signs of
English etymology 422.6
[3] other lang. —26
English morphol. 425.16
[3] other lang. —516
Compartments
aircraft constr'n 629.13434
Compass
aircraft equipment 629.13513
magnetism 538.7
radio in navigation 621.38419136
roofs archi. constr'n 721.597
ship outfit 623.86
variations of astronomy 522.76
windows archi. constr'n 721.845
Compasses mech. drawing 744.3
office fittings 651.4654
photography 771.37
Compends, in specific fields
[2] see subj. —02
Compensated dollar
financial economics 332.56
Compensating glasses phot. 771.355
Compensation
convict labor 365.65
for work economics 331.2
lay-off labor econ. 331.13
personality psychology 137.01
psychoanalysis 131.34124
workmen's
employers' liability 331.825
Compensator
negatives photography 770.2817
regulators, potential
electric eng. 621.31451
Compensators elec. eng. 621.31327
Competency
childstudy 136.702
suffrage requisites 324.14
tests psychology 151.2
schools 371.26
Competition
and prices economics 338.52
in advertizing business 659.117
Competition (cont.)
production 338.018
see also in Tables subhead, Organization, under specific types of production, e.g. 338.12
sales methods 658.821
school incentive 371.53
vegetable ecology 581.52412
wages 331.2
Competitions
agricultural 630.79
music, *see* Music gatherings
newspaper readers'
circulation increase 070.338
public advertizing 659.17
recreation 790
school contests 371.535
univ. & col. incentives 378.34
in other specific fields
[2] see subj. —079
Compiègne Eur. w., 1914 940.4215
1918 940.4344
Completion tests
psychology 151.23
school examinations 371.27
Complex
behavior sociology 301.15
ores metallurgy 669
reaction time psychom. 152.83433
variables algebra 512.82
calculus 517.8
Complexes psychoanalysis 131.34123
Complexus anatomy 611.7314
Compliments games 793.76
Complin music 783.24
ritual, Catholic 264.024
Greek 264.0194
Prot. Episc. 264.034
etc.
Compluvia archi. constr'n 721.552
Composers biography 927.8
musicians 780.0711
Composing
machines manufactures 681.614
printing 655.28
sticks manufactures 681.6261
Compositae botany 583.55
Composite
arches archi. constr'n 721.423
elec. transmission eng. 621.31915
flames prac. chem. 542.52
floors archi. constr'n 721.65
moving pictures phot. 778.534

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Composite (cont.)
power plants elec. eng. 621.312135
structures, architectural **721.94**
Composition
archi. elevations 729.11
plans 729.21
drawing **741.43**
elem. English lang. **428.2**
3 other " —82
gardens lands. art 712.6243
landscape design 712.24
painting 751.41
photography 770.282
rhetoric **808**
sculpture 731.1
theory of music **781.6**
typesetting 655.25
journalism 070.3222
unity of ontology 111.821
water features
landscape art 714.21
with creditors
commercial law 347.7
Compositions, forms of
music **781.508**
Compost, vegetable
fertilizers **631.875**
Compound
arches
archi. constr'n 721.423
laminated & recessed
archi. constr'n 721.427
floors archi. constr'n 721.64
interest depts
savings banking 332.24
vaults arched constr'n 721.44
Compounds
chemistry, theoretic 541.4
molecular chem., theor. 541.5
of metals org. chem. **547.9**
Comprehension psychology **153**
Compressed air
distribution engineering **621.53**
engines mot. veh. 629.2516
library building 022
mach. engineering **621.5**
motors pneumatic eng. 621.541
or gas, engines 621.42
transmission writing
machines mfg. 681.6112
see also Pneumatic
Compressibility
of gases physics 533.2
liquids " 532.1
Compressing
rams, hydraulic eng. 621.274
traction engines " 621.145
Compression
tests eng. materials 620.11242
wheels mot. veh. **629.2482**
Compressor nasi anatomy 611.7323
Compromise
ethics 171.6
of 1850
US Civil war causes 973.7113
history 973.63
social psychology 301.1533
Compsopogonaceae botany 589.42
Compton co., Que history 971.468
Compulsory
education pub. schools 379.23
enlistment mil. sci. 355.22
insurance business 368.4
labor polit. economy 331.57
unions econ. 331.889
loans public debt 336.344
voting suffrage 324.215
Compurgation legal antiq. 340.3
Computation arithmetic **511**
Computing machines mfg **681.14**
Comte, Auguste philosophy 194.8
Comtism philosophy 146
Comtoise sheep (Bovidae)
domestic animals 636.3443
Conakry history 966.53
Conarium anatomy 611.8145
Conation psychology **158.1**
Concealed doors archi. 721.835
Concentrating plants
mine architecture 725.431
Concentration
camps architecture 725.67
military science 355.23
prisons 365.36
war 365.45
tests mil. maneuvers 355.52
Concentric arches archi. 721.427
Conception
immaculate Christol. 232.1
physiology 612.63
theoretic, of special subj.
2 see subj. —011
2 viewpoint, see subj. —001
theories of psychol. **153.1016**
Concepts
psychology **153.1**
of abstraction 153.344
Conceptualism philosophy 149.1

Concert halls archi. 725.81
singing music 784.96
teaching educ. 371.31
Concertina music instr. 786.9
Concerto instr. music 785.6
Concerts music 780.73
recreation 791.2
Concession
areas colonization 325.312
system tariff treaties 337.91
Concessions
industrial production 338.91
park administration 712.513
see also Franchises, Licenses
Conchifera
(Brachiopoda) zool. 594.8
(Lamellibranchiata) " 594.1
Conchoid geom., Cartesian 516.26
Conchology zoology 594
Conciliation indus. rela. 331.153
Conciseness
office correspondence 651.74
Conclave, papal
ecclesiastic polity 262.135
Concord
NC history 975.6721
NH, battle Amer. revol. 973.3311
history 974.27
grape viticulture 634.847
philosophy 191.3
Concordances, Bible relig. 220.2
in other specific fields
[2] see subj. —03
Concordat church & state 261.7
eccles. polity 262.13
[1] **int'l law 341.2**
Concordia parish, La. hist. 976.373
Concourses street plan. 711.73
Concrete
building industry 691.3
ceilings archi. constr'n 721.75
chem. technology 666.8
columnar constr'n 721.33
constr'n masonry 693.5
effect of projectiles on
ballistics 623.5622
floors archi. constr'n 721.62
foundations archi. 721.1336
houses, rural archi. 728.64
urban " 728.37
pavements engineering 625.84
piles foundations archi. 721.1436
platforms " " 721.163
Concrete (cont.)
reinforced, structures
archi. constr'n 721.975
roofs archi. constr'n 721.52
sculpture fine arts 731.24
strength of eng. 620.136–.137
surfaces painting, art 751.223
walls archi. constr'n 721.23
Concretion geol. agents 551.98
Concubinage sex customs 392.6
Concussion
physiology of brain 612.82455
surgery 617.21
Condemnation of land
city planning 711.172
Condensation
cylindric steam eng. 621.1011
of vapor physics 533.1
thermology 536.44
Condensers
electric eng. 621.315
electrostatics 537.24
phot. lighting 771.442
prac. chemistry 542.48
radio 621.3841331
antennas 621.3841352
steam engineering 621.1976
telephony 621.3865
Condensing pump
pneumatics 533.83
Condillac, E B philosophy 194.3
Condimental herbs
field crops 633.84
garden crops 635.7
Condiments
adulterations 614.314
and nutrition physiol. 612.3939
chem. technology 664.5
zootechnic feeding 636.0843
food 636.0877
Condition metaphysics 122
Conditional sentences
English syntax 425.4
[3] other lang. —54
Conditioned reflex
comp. psychology 151.3072587
psychology of movement 158.423
Conduct of life ethics 170
Conducting cables mfg 677.73
music 781.63
Conduction electrostatics 537.22
thermology 536.2

Conductivity
of rocks geology 551.14
solutes chemistry 541.341
Conductors
electric transmission 621.3193
music 781.6325
radio antennas 621.384135[8]5
circuits 621.38413387
materials 621.3841794
Conduits
city planning 711.82
electric lines 621.319233
forest engineering 634.936
landscape constr'n 713.8
telegraph business 654.4
underground road eng. 625.78
street plan. 711.728
ventilation 697.9
voltaic cells 621.3525
waterworks 628.14
Condylarthra mammalogy 599.67
paleozoology 569.67
Condylarthrosis anatomy 611.7296[2]
Cone geometry 513.42
modern 513.53
Conecuh co., Ala history 976.126
Conejos co., Colo " 978.833
Conestoga draft horse
(Equidae) dom. anim. 636.158
Confabulatory paraphrenia
medicine 616.89734
psychology 132.19734
Confectionery
adulterations 614.311
chem. technology 664.1
cookery 641.85
Confederate
associations, Civil war 369.17
memorial, Stone Mt, Ga.
description 917.58225
states of America
diplomatic hist. 973.721
formed US " 973.713
US Civ. war nav. hist. 973.757
history 973.7
see also Civil war, US
Confederation
Articles of, 1783–89
Amer. revol. 973.318
US constit. history 342.73
North German hist. 943.081
of states polit. sci. 321.022
the Rhine history 943.06
Conference meetings, relig.
public worship 264.7
Conferences
congresses, etc., & lib. 021.42
educational methods 371.37
indiv. instruction 371.394
international radio 621.384063
joint indus. rela. 331.156
legislative procedure 328.3742
in other specific fields
[2] see subj. —063
see also Conventions, Meetings
Confervaceae (Ulotrichaceae)
botany 589.47434
Confervales botany 589.474
Confession
Augsburg church hist. 270.6
sect. " 284.1
penance 265.62
Confessional boxes archi. 729.937
Confessionals archi. 729.916
Confessions
doctrinal theology 238
of faith pub. worship 264.5
Confidence
ethics 174.7
religious emotion 291.12
Configurationism psychol. 150.1924
Configurations, algebraic 512.8
Confinement
criminal law 343.2
obstetrics 618.4
pending trial prisons 365.33
school punishment 371.56
solitary
prison systems 365.24
type prison bldgs 365.53
Confirmation sacraments 265.2
Confiscation
military Eur. w. 940.405
resources 355.28
public finance 336.18
Conflict
of duties ethics 171.6
laws int'l law 341.598
psychoanalysis 131.34124
sociology 301.1532
Confluxion illusion
physiology 612.84374154
psychology 152.1374154
Confucianism comp. relig. 299.51
Confucius philosophy 181.1
Confusional insanity
medicine 616.893
psychology 132.193
Congelation thermology 536.43

Congenital defects
anatomy 611.012
hygiene 613.9
somatology 573.9
surgery 617.3
Congestion
pulmonary pathology 616.242
urban city planning 711.13
Conglomerate petrology 552.51
Congo, *see* Kongo
Congregate
syst. for work prisons 365.25
prisons 365.23
type prison bldgs 365.53
Congregation
ecclesiastic council 262.4
of discalced clerks of the most holy Cross and passion of our Lord Jesus Christ Passionists 271.6
priests of the mission religious order 271.77
the most holy Redeemer Redemptorists 271.6
parish 262.2
Congregational
[1] **church** 285.8
creed doc. theology 238.58
singing sacred music 783.9
Congress
Continental US legis. 328.73
legislative polit. sci. 328
of nations int'l law 341.1
Vienna, 1814–15
European history 940.27
US legislature 328.73
in fields not specified
[2] see subject —063
see also Conferences, Conventions, Meetings
Congreve, William
English drama 822.46
Coni vasculosi anatomy 611.6311
Conic
perspective drawing 742.4
projections
geometry, descr. 515.4
spheric geom., descr. 515.56
vaults arched constr'n 721.455
Conicoids, *see* Quadric surfaces
Conics geometry 513.22
analytic 516.53
Cartesian 516.22
modern 513.53
Conidic fungi imperfecti
botany 589.241
Conifer formations
vegetable ecology 581.5264262
Coniferae botany 585.2
forestry 634.975
Coniocarpineae botany 589.173
Conium (Apiaceae)
depressants 615.786
pharmacy 615.323481
Conjugatae botany 589.61
Conjugate
algae (Zygophyceae) bot. 589.6
forms algebra 512.88
Conjugation
botany 581.1662
English morphology 425.18
[3] other lang. —518
physiology 612.6042
Conjunctions
English etymology 422.9
[3] other lang. —29
syntax 425.9
[3] other lang. —59
solar system 523.23
Conjunctiva
anatomy 611.8411
ophthalmology 617.71
physiology 612.8411
psychology 152 111
Conjuring recreation 791.1
sorcery 133.42
Conkanee hemp (Fabaceae)
field crops 633.562
Connaraceae botany 583.311
Connaught history 941.7
Connecticut " 974.6
see note under Virginia
Connections
psychologic 153.2
special, express charges
railways 385.132394
voltaic cells 621.3526
Connective tissue
anatomy 611.74–.76
histology 611.0182
pathology 616.75–.77
Connectors radio circuits 621.38413387
Connivent valves anat. 611.3414
Conocephaloideae (Moraceae)
botany 583.9622
Conoidal vaults & vaulting
arched constr'n 721.455–.456
Conon de Béthune
French poetry 841.15

Conquest
and migration
polit. science 325.13
law of war 341.3
territorial polit. sci. 320.1269
Consanguinity biology 575.133
family law 347.6
physiology 612.607
zootechny 636.08241
Conscience
clause in English
elementary schools 377.1
ethics 171.6
fund public income 336.18
liberty of, *see*
Liberty of conscience
Conscientious objectors
European war 940.3162
military science 355.22
Conscious
attention, diminution of
psychol. of movement 158.43343
Consciousness
metaphysics 126
multiple spiritism 133.90161
psychology **153.7**
subliminal psychology **153.8**
Conscription of
men military science 355.22
private enterprizes
military science 355.26
wealth military sci. 355.21
Consecration
of sovereign soc. customs 394.43
ordinances 265.9
sermons homiletics 252.7
Consequences games 793.76
Conservation
forest policy 634.92511
of art objects f. arts 708.047
energy physics 531.6
nat'l resources
[1] **polit. econ.** **339.49**
natural resources
land economics 333.72
wild life sports 799.00037
Conservatism, mental
personality 137.358
Conservatories
agric. equipment 631.3444
protection 631.5444
architecture 728.98
floriculture 635.982
landscape art **716.3**
music **780.72**
Consignment market meth. 658.832
Consocies veget. ecology 581.552
Consolation
devotional religion **242**
personal " 248
Consoles
door & window constr'n 721.865
Consolidation bus. meth. **658.16**
public debt 336.37
Consols pub. finance 336.31
Consonance
music 781.22
physics 534.3
physiology of hearing **612.858744**
psychology " " **152.28744**
Consonants
English language 421.3
[3] other " —13
physiology of speech 612.7894
Consortism botany **581.557**
Conspiracies crim. law 343
Constables local gov't 352.2
Constance, council of
church history 270.5
Hussite church history 284.3
Constant de Rebecque, H B
French fiction 843.63
Constant
current analysis chem. 545.311
potential system
arc lighting 621.3253
voltage analysis chem. 545.312
Constantine the Great
Byzantine history 949.501
Constantine, Algeria hist. 965.5
Constantinople
ecumenic council
381 church hist. 270.22
553 " " 270.25
680 " " 270.26
history 949.61
Eur. w., 1918, air raids 940.448
Latin conquest, 1204 949.503
Turkish " 1453 949.504
see also Istanbul
Constantinopolitan creed
doctrinal theology 238.14
Constants
electric physics 537.51
lunar astronomy 523.31
solar " 523.71
terrestrial " **525.1**
Constanza
Eur. w., 1916, air raids 940.446
Oct. 940.4281
Constellation, ship US hist. 973.45

Constellations
astronomic collections 524.8
astronomy 523.89
Constipation pathology 616.34
Constituencies suffrage 324.22
Constituent elements, viewpoint
[2] in specific fields see subj. —002
Constitution
and bylaws
library gov't 023.1
of ass'ns, soc., etc.
[2] in fields not specified see subject —06
Sunday schools 268.12
day school holiday 371.365
ship, 1812 War of 1812 973.5251
1815 " " " 973.5257
Constitutional
[1] **church Cath. schisms 284.82**
[1] **conventions law 342**
formulas, chem., *see* Chemic formulas
hist. of Austria law 342.436
Norway " 342.481
US " 342.73
etc.
monarchy polit. sci. 321.7
[1] **Constitutions pub. law 342**
Constrained attitude
occupational hygiene 613.65
Constrictors, pharyngeal
anatomy 611.73278
Construction
architectural 721
bldg industry 690
engineering forestry 634.934
geometry, descriptive 515
library bldgs 022.35
viewpoint, in fields not
[2] specified see subj. —002
Consular systems int'l law 341.8
Consulate, 1799–1804
French history 944.046
Consulates architecture 725.178
foreign trade 382.2
Consuls polit. science 327
Consultations in specific
[2] fields see subj. —0189
Consumers
cooperatives econ. 334.5
educ. & prot'n economics 339.47
goods wealth 339.41
Consumers (cont.)
leagues economics 331.8
labor econ. 331.832
research adver. prot'n 659.12
Consumption
and production maladjustment economics 338.54
see also in Tables subhead, Crises, under specific types of production, e.g. 338.15
forest economics 634.92727
of wealth polit. econ. 339.4
phthisical, *see* Tuberculosis
taxes, direct pub. fin. 336.252
pub. finance 336.271
Contact
pressure sense physiol. 612.883
psychol. 152.5733
processes phot. copying 778.12
Contacts geol., economic 553.17
Contagious diseases, *see* Diseases, contagious
Containers
prac. chemistry 542.23
value of advertizing 659.12
Contango stock & commodity exchanges 332.64
Comtemplation
devotional religion 242
personal " 248
Contemplative sisterhoods
religious orders 271.96
Contests
garden landscape art 712.6
newspaper readers' circulation increase 070.338
public advertizing 659.17
recreation 790
school incentive 371.53
[2] in specific fields see subj. —079
Conti, Augusto It. essays 854.83
Contiguity association
psychology 153.2112
Continence ethics 176.3
Continental
blockade Eur. hist. 940.27
code radio 621.38419214
telegraphy 621.382153
congress Amer. revol. 973.312
US legis. 328.73
divide, Colo history 978.83
Ida " 979.678
Continents physiography 551.41
Contingence metaphysics 123

Topics in black face type are subdivided. Superior figures refer to the tables following this index

[1] **Continuation schools**
adult education 374.8
architecture 727.97
education, public 379.19
workmen's economics 331.85
Continuations, non-serial, in
[2] specific fields see subj. —0892
Continuity
association psychol. 153.2112
genetic " 136.301
sociology 301.152
Continuousness cosmology 119
Contortae botany 583.7
Contortion athletics 796.47
geology 551.82
Contra Costa co., Calif.
history 979.463
Contraband of war int'l law 341.3
see also nos. for individual wars
Contrabass
music instrument 787.41
tuba brass instrument 788.48
Contract labor econ. 331.54
prisons 365.65
Contractility
cardiac physiology 612.172
splenic " 612.413
Contracting vaults
arched constr'n 721.455
Contraction, muscular, *see* Muscular contraction
Contractions 653.2
hydraulics 532.55
Contracts
building industry 692.4
buying methods 658.721
ethics 174.7
labor
cancellation of econ. 331.13
economics 331.11
marriage family law 347.6
military admin. 355.62
private law 347.4
scale wages 331.22
teachers' education 371.1423
in other specific fields
[2] see subj. —00033
Contractures, muscular
physiology 612.7461
Contrast
archi. elevations 729.12
drawing composition 741.434
reproduction
phot. sensitometry 771.5345
Contrasted arches archi. 721.422
Contravariants algebra 512.88
Contreras, Mexico, battle
1847 US history 973.6238
Contretype negatives
phot. processes 773.3
Contributions
by employes library econ. 023.93
office " 651.443
electoral corruption 324.273
private charity 361.73
Contrition penance 265.61
Control
administrative, in fields
[2] not specified see subj. —000365
commerce 380.168
see also Ownership and control, Regulation
devices elec. stations 621.317
distant, by radio eng. 621.384196
elements aircraft 629.13433
financial bus. manage. 658.151
joint board of
indus. relations 331.152
social sociology 301.1523
springs mot. veh. 629.24444
Controllers elec. traction 621.3344
Controversial sermons
homiletics 252.2
Contused wounds surgery 617.142
Contusions surgery 617.13
Conundrums games 793.73
Conus medullaris anatomy 611.8216
Convalescents
sanitariums for sociol. 362.16
Convallariaceae botany 584.322
Convection thermology 536.2
Conveniences poor relief 362.54
Convent labor economics 331.53
Couvention
1792–95 French history 944.043
eccles. church polity 262.4
passenger rates railways 385.13227
Conventional
duties tariff treaties 337.91
forms, carved archi. 729.54
painted " 729.44
Conventionalized
forms, carved archi. 729.51–.52
painted " 729.41–.42
representation art anat. 743.3
Conventions
advertizing at bus. 659.152

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Conventions (cont.)
polit. US partizanship 329.063
in other specific fields
[2] see subj. —063
see also Conferences, Meetings
Convents architecture 726.7
church hist. 271.9
educ. of women 376.5
Conventuals Franciscans 271.32
Conversation
ethics 177.2
library personnel 023.91
office " 651.441
rooms office econ. 651.16
self-education 374.1
table dom. economy 642.48
Conversational meth. educ. 371.35
Conversion
personal religion 248
psychoanalysis 131.34124
public debt 336.37
religious revivals 269
Converter
panels elec. stations 621.31726
substations elec. eng. 621.31264
Converters
alternating current
electric eng. 621.3135
direct current
electric eng. 621.31325
frequency radio 621.38413191
radio arcs 621.3841313
see also Phase converters
Convertibility fin. econ. 332.52
Convex-conoidal vaults
arched constr'n 721.455
Conveyances
fraudulent commer. law 347.7
land economics 333.33
law of realty 347.2
Conveyers
for ash & fuel steam
boiler furnace 621.18378
hydraulic mech. eng. 621.264
industrial equip. 658.281
library " 022.944
mechanical eng. 621.867
office equip. 651.268
tree farming 631.3366
Conveying students
public schools 379.1752
Convict labor economics 331.51
sociology 365.65
Convicts
criminal law 343
discharged postprison
treatment 364.8
discharging prison
administration 365.647
prisons 365.64
segregation of sociol. 365.4
suffrage limitation 324.174
see also Prisoners
Conviviality soc. customs 394.1
Convocation
ecclesiastic polity 262.4
Convoluted domes
arched constr'n 721.47
Convolutions
anatomy 611.8131
physiology 612.825
psychophysiology 131.225
Convolvulaceae botany 583.78
Convulsions
pathology 616.845
puerperal obstetrics 618.75
Conway
cabal, 1777–78
American revolution 973.349
co., Ark history 976.731
Cony (Hyracoidea) mammal. 599.62
Conyza (Asteraceae) bot. 583.5543
Cook books dom. economy 641.5
co., Ga history 975.8876
Ill " 977.31
Minn " 977.675
islands " 996.2
Cookers cookery 641.58
kitchen equip. 643.33
Cookery
domestic economy 641.5–.8
hygiene 613.2
national, of Brazil 641.5981
Parthia 641.59356
Sweden 641.59485
etc.
processes dom. econ. 641.7
Cooking
apparatus " " 641.58
kitchen equip. 643.33
for large groups
dom. economy 641.57
honey in apiculture 638.1694
schools dom. economy 641.071
Cooks domestic economy 647.25

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Coolidge, Calvin, pres.
US history 973.915
Coolies economics 331.62
slavery 326.2
Cooling
syst. controls mot. veh. 629.2568
mot. veh. engine 629.256
towers steam eng. 621.19764
Coomassie history 966.75
Coon (Procyonidae)
mammalogy 599.74443
Cooper
A A Eng. essays 824.51
Frank, *pseud.* Amer. fict. 813.35
J F Amer. fiction 813.24
Cooper
county, Mo history 977.851
process photography 772.12
Union adult educ., NY 374.97471
Cooperage
lumber forest products 634.9843
mfg 674
works architecture 725.443
Cooperation
forest policy 634.92513
method hypnotism 134.223
polit. economy 334
production
see also in Tables subhead **Organization**, under specific types of production, e.g. 338.12
school pedagogy 371.101
teachers' education 371.101
welfare work 361.8
in other specific fields
[2] see subj. —0189
Cooperative
advertizing business 659.113
agriculture 630.62
production 338.12
cataloging lib. admin. 025.3
dining rooms dom. econ. 647.95
education labor econ. 331.86
housekeeping dom. econ. 647.93
kitchens child welfare 362.761
poor relief 362.54
loan ass'ns fin. econ. 332.32
manage. indus. rela. 331.152
marketing bus. meth. 658.83
commerce 380.125
plan vocational guidance 371.426
stores for workmen econ. 331.832
Coordinates
astronomy, spheric 522.7
geographic astronomy 525.4
geometry, analytic 516.51
loci in space
geom., Cartesian 516.34
plane loci
geom., Cartesian 516.14
Coordination
social psychology 301.1522
tests " 151.2232
Coornhert, D V Dutch poet. 839.31126
Coos co., NH history 974.21
Ore " 979.523
Coosa
county, Ala history 976.159
Valley reg., Ala hist. 976.16
Coot (Fulicariae)
ornithology 598.31
Copaiba diuretics 615.761
pharmaceutics 615.323323
Copaifera (Caesalpiniaceae)
botany 583.323
Cope practical relig. 247.7
Copelatae zoology 594.92
Copenhagen history 948.9
Copepoda zoology 595.34
Copernican theory astron. 521
Copiah co., Miss. history 976.252
Copies office letter file 651.677
Copings lands. structures 717.83
wall constr'n 721.277
Coppée, François
French drama 842.88
poetry 841.85
Copper
chemistry 546.56
cloth manufactures 677.53
coinage metals 332.418
conductors radio 621.38417941
engraving fine arts 762.3
implements archeol. 571.34
manufactories archi. 725.434
metallurgy 669.3
mineralogy 549.2
mining 622.343
archeology 571.31
mot. veh. materials 629.23227
ores geol., economic 553.43
pharmaceutics 615.256
plate printing presses
manufactures 681.6251
typography 655.31

Copper (cont.)
processes photography 772.17
products manufactures 673
refineries architecture 725.4323
toxicology 615.929
work fine arts 739.51
Copperas disinfection
public health 614.488
Copper-lead accumulators
electric engineering 621.35556
Coppetta, il Italian wit 857.42
Coppice methods
forest cutting 634.9526–7
Coptic archi. styles 723.123
calendar chronology 529.41
[1] **church 281.7**
[4] **language 493.2**
text Bible 220.49
Copulation embryology 611.0132
physiology 612.613
zootechny 636.082453
Cop-winders textile equip. 677.02854
see also special fibers
Copy, preparation of
literary methods 029.6
Copyboards photography 771.317
Copybooks elem. educ. 372.51
Copyholders photography 771.318
Copying
cameras photography 771.318
cinematic films 778.58
photography 778.1
presses manufactures 681.62
processes paintings 751.5
student honor 371.81
writing methods 652
Copyright
advertizing protection 659.12
books gov't aid to lib. 021.842
in England 655.642
Russia 655.647
US 655.673
etc.
international law 341.57
law publishing 655.600037
payments " 655.52
private law 347.7
[1] **publishing 655.6**
Copywriter advertizing 659.112
Coquetry ethics 177.6
Coquillart, Guillaume
French poetry 841.23
Cor anglais wood instr. 788.7
Coracobrachialis anat. 611.73722
Coracoclavicular ligaments
anatomy 611.72724
Coracoid process anatomy 611.7173
Corah silk industry 677.426
Coral reefs geol. agents 551.96
Coral-fungi (Clavariaceae)
botany 589.222
Corallinaceae botany 589.415
Coralroot (Orchidaceae) bot. 584.15
Corals (Actinozoa) fishery 639.7
Corbeled arches
architectural constr'n 721.422
Corchorus (Tiliaceae)
cordage manufactures 677.71
field crops 633.54
Cord machine mechanics 531.83
spinal
see Spinal cord
twisted, illusion
physiology 612.84374154
psychology 152.1374154
Cordage fibers field crops 633.5
manufactures 677.71
Cordaitales botany 585.5
paleobotany 561.55
Cordeliers Franciscans 271.35
Cordials chemic tech. 663.5
Cordieritidaceae botany 589.2332
Cordifolia, vitis agric. 634.8445
Cordioideae
(Boraginaceae) bot. 583.77
Cordleaf
(Restiaceae) " 584.83
Cordon training agriculture 631.5466
Cords manufactures 677.75
plant support 631.3451–3
training 631.5461–3
radio circuits, 621.38413387
Corduroy cotton mfg 677.2164
pavements eng. 625.83
Corea, *see* Korea
Coreopsis (Helianthaceae)
botany 583.5547
Cores, field elec. eng. 621.316
Coriaceae, vitis agric. 634.8465
Coriander (Apiaceae)
garden crops 635.75
Coriariineae botany 583.297
Corinth history, ancient 938.7
Miss.
battle, 1862
US Civ. war 973.7334
siege, 1862
US Civ. war 973.7325

Corinthians, epistles to 227.2-.3
Corium anatomy 611.778
Cork, Ire. history 941.95
factories archi. 725.447
forest products 634.9855
manufactures 674
Corkborers prac. chem. 542.25
Corks " " 542.25
Corkwood (Leitneriales)
botany 583.972
Corliss engines steam eng. 621.1644
Cormorant birds 598.43
Corms stem morphology 581.49563
Corn
broom- (Andropogoneae)
field crops 633.175
clubs agric. educ. 630.717
Cracker state (Ky) hist. 976.9
cribs architecture 728.95315
Egyptian (Andropogoneae)
field crops 633.178
Indian, *see* Maize
Jerusalem (Andropogoneae)
field crops 633.178
laws tariff 337.56331
(Poaceae) agriculture 633.1
rice- (Andropogoneae)
field crops 633.178
salad (Valerianaceae)
garden crops 635.57
trade economics 338.1731
see also Maize
Cornaceae botany 583.497
Cornea anatomy 611.8413
ophthalmology 617.71
physiology 612.8411
psychology 152.111
Corneille, Pierre
French drama 842.41
Thomas
French " 842.43
Cornel (Cornaceae) botany 583.497
Cornelius Agrippa philos. 189.5
Corners
stock & commodity trading 332.64
Cornet brass instrument 788.3
Cornflower
(Carduaceae) bot. 583.5533
Cornhusker state (Neb)
history 978.2
Cornices
architectural design 729.3174
carved architecture 729.56
door & window constr'n 721.865
Cornices (cont.)
painted architecture 729.46
roof archi. constr'n 721.564
design 729.3564
wall constr'n 721.274
Cornichon grape vitic. 634.849
Cornicula anatomy 611.221
Cornish
Indian fowls (Gallinae)
agriculture 636.58814
language 491.67
pumps mining 622.53
sheep (Bovidae)
domestic animals 636.3266
Corn-marigold
(Anthemidaceae) bot. 583.5537
Cornoideae (Cornaceae) bot. 583.497
Corns pathology 616.54
Cornstalks zootechny 636.086255
Cornu ammonis anatomy 611.81314
Cornua, gray " 611.822
Cornwall history 942.37
Cornwallis' surrender
American revolution 973.3375
Corolla floral anatomy 581.463243
Corolliflorae
(Metachlamydeae) bot. 583.5
Corona astronomy, solar 523.75
floral anatomy 581.463244
Coronado, F V de
American history 973.16
Coronarieae botany 584.3
Coronary arteries physiol. 612.1721
artery, gastric
anatomy 611.13643
gastric plexuses
anatomy 611.8393
Coronation soc. customs 394.43
Coronel nav. battle Eur. w. 940.454
Coroners
inquest law 340.6
public health 614.23
jurisprudence 347.96
local government 352.9
Coronets archi. constr'n 721.865
Coronopus (Brassicaceae)
garden crops 635.565
Corpora cavernosa anat. 611.645
mammillaria " 611.8142
Corporal punishment
criminal law 343.2
military science 355.133
prison punishments 365.644
school discipline 371.55

Corporation
certificates & warrants
financial economics 332.63
city administration 352.003
debentures fin. econ. 332.63
law commercial law 347.7
schools labor economics 331.86
songs music **784.67**
taxation public finance 336.243
Corporations
business management 658.1145
coinage numismatics 737.47
commerce **380**
industrial production 338.74
law of 347.1
municipal loc. gov't **352**
railroad transport 385.065
welfare sociology **360**
in other specific fields
[2] see subject —06
Corporatism polit. econ. 335.82
Corporeal being ontology 111.322
Corps
army military science 355.31
francs irregular infantry 356.15
judicial univ. & col. 378.113
Corpulence, *see* Obesity
Corpus luteum anatomy 611.652
embryology 611.01317
physiology 612.6303
spongiosum anat. 611.646
Corpuscles
red & white, proportion of
physiology 612.1128
physiology **612.111**
theoretic chemistry 541.2
white physiology **612.112**
Corpuscular
light optics 535.1
matter physics 530.1
theories clairvoyance & clairaudience 133.830162
Correction, houses of
architecture 725.63
criminology 364.724
Correctional courts
criminology **364.5**
institutions
criminology **364.7**
Corrections
astronomy **522.9**
educational methods 371.32
geometric perspective **515.66**
Correlation
educational methods 371.363
of figures geometry 513.57
forces physics 531.6
psychologic measurements **151.265**
statistics 311.25
Correspondence
autobiography **920**
commercial office econ. **651.7**
courses prison schools 365.662
[1] **self-education** **374.4**
Sunday schools 268.436
in other specific fields
[2] see subject —0714
geometry 513.57
logic 169
natural theology 219
on special subject
[2] see subject —04
personnel & equipment
library admin. **025.15**
shorthand use 653.18
Swedenborgian
sectarian history 289.4
see also Epistolography, Letters
Correspondents
files office records 651.672
journalism 070.42
voluntary journalism 070.45
Correze history 944.67
Corridors archi. plans 729.25
Corrodentia entomology 595.732
Corrosion
chemistry 541.39
photographic 771.541
steam engines 621.1965
tests eng. materials 620.1122
Corrugator supercilii anat. 611.7325
Corruption
electoral suffrage **324.27**
official ethics 172.2
substantial metaphysics 113
Corsets hygiene 613.484
Corsica history 945.9
ancient 937.9
Corsican
coach horse (Equidae)
domestic animals 636.145
pony (Equidae)
domestic animals 636.165
Corsiniaceae botany 588.333
Cortereal, Gaspar & Miguel
American history 973.16

Cortés, Hernando
American history 973.16
Mexican " 972.02
Cortex, cerebral
see Cerebral cortex
veget. morphology 581.477
Corti, ganglion of anat. 611.89181
organ of " 611.8522
ear pathol. 617.88
physiol. 612.8584
psychol. 152.284
Cortical
excitability
physiology of brain 612.8251
layer, ovarian anatomy 611.6513
set psychol. of reflection 153.4
Corticiaceae botany 589.222
Corticine
domestic economy 645.1
office furnishing 651.2411
Cortland co., NY history 974.772
Corundum geology, econ. 553.65
mineralogy 549.5
Corvallis, Ore history 979.5341
Corvée economics 331.57
Corylaceae botany 583.979
Coryneliaceae " 589.2351
Corynocarpaceae " 583.275
Corynophlaeaceae " 589.457
Coryza pathology 616.205
Coscinodiscaceae botany 589.6224
Coscinomancy psychology 133.323
Cosenza hist. 945.78
Coshocton co., O " 977.165
Cosmariaceae botany 589.613
Cosmati work mosaics 729.76
Cosmetics adulterations 614.354
customs 391.6
hygiene 613.49
physiology 612.793
toilet 646.7
Cosmic
chemistry astronomy 523
dust " 523.16
effects
radio transmission 621.3841155
influences veget. ecol. 581.5426
philosophy metaphysics 113
rays electricity 537.53
time chronology 529.77
Cosmogony metaphysics 113
Cosmoledo islands history 969.43
Cosmology metaphysics 113
natural theology 213
Cosmopolitanism
floristics 581.5273
Cosmoramas arts & crafts 745.8
painting 751.74
Cosmos fiber textile mfg 677.118
metaphysics 113
Cossa, Pietro It. drama 852.82
Cost
accounting business 657
administration
[2] in specific fields see subj. —00032
of animals zootech. 636.08112
construction
bldg industry 692.5
crime sociology 364.28
educ. to public 379.11
univ. & col. 378.368
fashions dom. econ. 646.01
forest production
forestry 634.928423
living
and crime sociol. 364.26
wages econ. 331.2154
teachers 371.164
economics 331.831
home econ. 647.1
wealth consumption 339.42
production economics 338.52
See also in Tables, Financial questions, under specific types of production, e.g. 338.13
viewpoint
[2] in specific fields see subj. —003
Costa
Isaac da Dutch poetry 839.31155
Paolo Italian essays 854.71
Rica history 972.86
Costal cartilages anat. 611.7125
joints " 611.723
Costanzo, Angelo di
Italian poetry 851.41
Coster
L J hist. of printing 655.112
Samuel Dutch drama 839.31233
Costilla co., Colo hist. 978.835
Costiveness pathology 616.34
Costmary (Carduaceae)
garden crops 635.74
Costocervical trunk anat. 611.1346
Costoclavicular ligament
anatomy 611.7271
Costoideae (Zingiberaceae)
botany 584.213
Costovertebral joints
anatomy 611.722
Costs
increasing & decreasing
economic law 338.016

Costume
academic univ. & col. 378.29
balls recreation 793.386
ecclesiastic relig. 247.6–.7
hygiene 613.48
military science 355.14
sociology 391
Cot (Côte rotie, Cotes)
grape viticulture 634.8544
Cotard's syndrome psychol. 132.3532
Cote
Blanche Bay, La. descr. 917.6342
d'Or history 944.42
Co-tenancy land economics 333.53
private law 347.2
Cotentin cattle (Bovidae)
domestic animals 636.2462
sheep (Bovidae)
domestic animals 636.3447
Côtes-du-Nord history 944.12
Cotillion dances 793.35
Cots manufactures 685.533
Cotswold sheep (Bovidae)
domestic animals 636.3211
Cottage
areas city planning 711.583
cheese dairy industry 637.356
industry economics 331.794
production 338.65
system domestic economy 647.97
type prison bldgs 365.53
Cottages
city planning 711.667
summer architecture 728.74
workmen's " 728.68
Cotters mech. fastenings 621.883
Cottoid fishes
(Acanthopterigii) ichthyol. 597.58
Cotton
clothing hygiene 613.481
county, Okla history 976.649
gatherers agric. tools 631.3585
(Malvaceae) field crops 633.51
textile mfg 677.21
mills architecture 725.4122
picking harvesting 631.5565
radio insulating material 621.38417910197
state (Ala) history 976.1
textiles dom. econ. 646.11
trade economics 338.17351
tree (Bombaceae) botany 583.173
worm (Noctuina)
agricultural pests 632.786
Cotton-grass (Cyperaceae)
botany 584.841
Cotton-powder chem. tech. 662.2
Cottonseed meal
fertilizers 631.847
Cottonwood
county, Minn history 977.628
(Salicaceae) forestry 634.9723
Cotyledon, embryonic bot. 581.3327
Cotyloid cavity anat. 611.7181
Couches artistic furn. 749.32
domestic economy 645.42
Couching fancywork 746.48
Coucou fowls (Gallinae)
agriculture 636.547
Coucoude Malines fowls
(Gallinae) agric. 636.548
Coughing physiology 612.219
Coughs pathology 616.205
Coulisses financial econ. 332.61
Coulometers electric eng. 621.3744
Council
Bluffs, Ia history 977.7711
general Fr. loc. gov't 352.04402
Grove, Kan history 978.1581
municipal
local government 352.008
French 352.04408
of ancients Fr. legis. 328.4409
state Fr. gov't 354.4405
Ger. " 354.43072
privy English " 354.4204
Councils eccles. polity 262.4–.5
gen. ch. hist. 270
sectarian " 280
Counsel didactic theol. 241
Counselors at law jurispr. 347.069
Counter attacks
military tactics 355.422
Counterfeiting crim. law 343
fin. econ. 332.9
Counterinsurance
insurance business 368.86
Counterirritation therap. 615.771
Countermines military eng. 623.36
Counterpanes manufactures 677.62
Counterpoint music 781.4
Counterpoise bridges eng. 624.82
Counterpoises
door & window constr'n 721.891
radio antennas 621.38413583
Counterreformation
church history 270.6
Counters
central telephony 621.38796
numismatics 737.3
tally office equip. 651.26413

Countervailing duties
  tariff 337.38
Countervallation
  military engineering 623.22
Counties regional plan. 711.33
Counting
  apparatus office equip. 651.264
  machines manufactures 681.14
  out games, children's 796.14
Country
  aid welfare work 361.2
  banking, cooperative
    political economy 334.23
  club grounds
    landscape art 712.71
  clubs architecture 728.43
    sports 796.06
  estates landscape art 712.644
  homes architecture 728.6
    landscape art 717.63
    of poor archi. 728.68
  houses water supply
    sanitary engineering 628.7
  libraries 027.4223
  life agriculture 630.1
    political science 323.354
  schools educ., public 379.173
  seats **architecture** 728.8
    city planning 711.582
  stations railways 385.32
  tenements architecture 728.12
  vs city colleges educ. 378.153
  see also Rural
Countryward migration
  city planning 711.13
County
  agent agric. education 630.717
  buildings architecture 725.135
  forest policy agric. 634.92525
  government admin. 352
    Eng. 352.04201
  libraries 027.4224
  ownership of land
    political economy 333.125
  reservations nat. lands. 719.32
  school supervision educ. 379.1532
  unit plan " 379.1532
Couperus, L M A Dutch fict. 839.3135
Coupled
  roofs archi constr'n 721.597
  windows " " 721.843
Couplers radio inductors 621.38413323
Coupling radio circuits 621.384122
Couplings mechanical eng. 621.825
    railroad " 625.25
Coupon ads business 659.1326
Coups d'état polit. sci. 321.094
Courage ethics 179.6
Courant music form 781.50851
Courier de Méré, P L
  French essays 844.63
Couriers travel 910
Courlan (Alectorides)
  ornithology 598.32
Courland history 947.4
Course, school, length of 371.253
    single curriculum 375.002
Courses
  agricultural
    in nonagric. instit. 630.716
  apologetic doc. theol. 239.01–.08
  architectural design 729.315
  balanced curriculum 375.005
  block wall constr'n 721.274
  blocking " " 721.276
  coordination of
    curriculum 375.006
  correspondence
[1] self-education 374.4
  crowning archi. design 729.317
    wall constr'n 721.27
  cultural vs breadwinning
    curriculum 375.0071
  curriculum 375
  exploratory
    educational guidance 371.42
  for social classes
    curriculum 375.007
    special schools 375.008
  meal domestic economy 642.6
  parallel education 375.003
  of instruction on special
[2] subject sec subject —071
  racing horsemanship 798.4
  required education 375.002
  subjects of curriculum 375.01–.9
  wall construction 721.25
Coursing hunting sport 799.25
Court
  baron English law 347.99
  disciplinary
    univ. & col. admin. 378.113

Court (cont.)
etiquet social customs 395
fools " " 394.2
house grounds
landscape art 712.58
houses city planning 711.661
of arbitration
international law 341.1
reports Eng. law 346.4
US " 345.4
supreme, reports of
US law 345.4
Courtes-pattes fowls-
(Gallinae) agriculture 636.544
Courtesy
employes ethics econ. 023.96
office " 651.446
ethics 177.1
Courthouse Rocks, Neb 917.8295
Courthouses architecture 725.15
Courts
authority of jurispr. 347.9
circuit, reports of
US law 345.41
civil service 351.94
district, reports of
US law 345.41
ecclesiastic canon law 348
church polity 262.9
history of jurispr. 347.99
law 347 9
martial jurisprudence 344
of honor mil. life 355.131
inquiry " " 355.131
organization of jurispr. 347.97
student school admin. 371.59
Courtship customs 392.4
ethics 177.6
Courtyard gardens
landscape art 712.6247
Cousin, Victor philos. 194.7
Cousins, marriage of
private law 347.6
Coutumes French law 349.4402
Couxio (Pitheciinae)
mammalogy 599.82
Covariants algebra 512.88
Coved vaults
arched construction 721.44
Covenant
half-way
Congregationalists 285.8
meetings pub. worship 264.8
Scotch doctrinal theol. 238.5
Covenanters church history 274.1
Scotch " 941.06
Covenants
doctrinal theology 238
for titles priv. law 347.2
Coventry plays Eng. drama 822.12
Cover
crop method agric. 631.584
effect on forest planting 634.95651
Covering
against frost agric. 632.113
aircraft supports 629.134328
power phot. sensitometry 771.5345
steam piping 621.1856
Coverings mot. veh. top 629.2663
Coverlets manufactures 677.62
Covers agric. protection 632.9
book drawing 741.644
steam boilers 621.18455
Coverture private law 347.6
Covetousness ethics 179.8
Covington, city, Ky hist. 976.9351
co., Ala " 976.127
Miss. " 976.2545
Cow barns architecture 728.942
Cowardice ethics 179.6
Cowboy songs vocal music 784.4
Cowcatcher locomotive eng. 621.139
Coweta co., Ga history 975.8423
Cowhage
cherry
(Malpighiaceae) bot. 583.214
(Fabaceae) botany 583.322
Cowley
Abraham English poetry 821.46
county, Kan history 978.189
Cowling aircraft constr'n 629.13434
Cowlitz co., Wash hist. 979.788
River, " " 979.782
Cowpeas (Fabaceae)
field crops 633.33
Cowpens, SC, battle
American revolution 973.3372
Cowper
William English poetry 821.65
glands of anatomy 611.627
physiology 612.4671
Cowpox pathology 616.913
Cowrie shells as money 332.56
Cows
(Bovidae) dom. anim. 636.2
choice of dairy indus. 637.121
diseases of 619.2

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Cowslip
(Primulaceae) botany 583.672
(Ranunculaceae) " 583.111
Coxae anatomy 611.7181
Coxal ligament " 611.7282
Coyote state (SD) hist. 978.3
Cozzens, F S Amer. wit 817.36
Crab apple (Rosaceae)
fruitculture 634.12
fishing sports 799.15
lice (Pediculidae)
entomology 595.7512
Crabs (Brachyura) fisheries 639.5
Cracker state (Ga) hist. 975.8
Cracking paintings 751.6
Cracow-Lodz battle
European war 940.4224
Cradle
domestic economy 645.67
roofs archi. constr'n 721.597
scythe agriculture 631.3513
songs folklore 398.8
vocal music 784.4
vaults arched constr'n 721.455
Cradock history 968.764
Crags Mts, Ida history 979.682
Craig co., Okla " 976.698
Va " 975.5795
Mts, Ida " 979.685
Craighead co., Ark " 976.798
Crambe maritima (Brassicaceae) garden crops 635.33
Crambo games 793.73
Cramming
school examinations 371.27
zootechny 636.08456
Cramont grape vitic. 634.8544
Cramp pathology 616.87
Cranberry
(Caprifoliaceae) fruitc. 634.745
scald
(Sphaeropsidales) bot. 589.242
tree (Caprifoliaceae) bot. 583.511
(Vacciniaceae) fruitcult. 634.76
weevil (Tetramera)
entomology 595.768
Crane (Alectorides)
ornithology 598.32
Cranes
hydraulic mech. eng. 621.263
mechanical engineering 621.871
Cranesbill (Geraniaceae)
botany 583.223
Cranial
ganglions anatomy 611.891
nerves " 611.831
physiology 612.819
see also qualifying or specific terms
sutures anatomy 611.7141
Craniidae zoology 594.8
Craniology phrenology 139
somatology 573.7
Cranium
anatomy 611.715
articulations of anat. 611.721
base of " 611.7143
phrenology 139.2
Crank bases & cases
mot. veh. engine 629.2522
shaft
mot. veh. engine 629.2525
Cranks biography 920.8
Crannoges archeology 571.83
Craonnaise swine (Suidae)
domestic animals 636.443
Crapaudine doors
architectural constr'n 721.836
Craps games 795.1
Crashaw, Richard
English poetry 821.42
Crasis English language 421.2
[3] other " —12
Craspedomonadaceae bot. 589.9746
Crassulaceae " 583.39
Crataegus (Rosaceae) " 583.37
Crate factories archi. 725.442
Crater
Lake national park
Oregon description 917.95915
national forest
Oregon description 917.9527
Craters
of the Moon national
monument, Ida descr. 917.9632
seismology 551.21
Crates philosopher 183.4
Crating motor vehicles 629.2348
Craven co., NC history 975.619
Crawfish (Macrura) fishery 639.5
Crawford co., Ark hist. 976.735
Ga " 975.856
Ill " 977.375
Ind " 977.228
Ia " 977.745
Kan " 978.198
Mich " 977.477

Crawford co. (cont.)
Mo hist. 977.862
O " 977.127
Pa " 974.897
Wis " 977.574
Crayon drawing fine arts 741.23
engraving " " 765.4
Craziness medicine 616.8
psychology 132.1
Cream
dairy industry 637.148
of tartar adulterations 614.315
dyeing tech. 667.2
food " 664.6
state inspection 614.324
Creameries architecture 728.96
dairy industry 637.231
Creamometer " " 637.1276
Creation
biology 575
metaphysics 113
natural theology 213
of man doctrinal theol. 233.11
Creative power psychology 155
Creator doctrinal theol. 231.1
Crébillon
C P Jolyot de Fr. fict. 843.55
P J de Fr. drama 842.52
Crèches child welfare 362.71
Credences
sacramental furniture 729.912
Credentials
academic
see Academic degrees
electoral suffrage 324.243
medical, academic
public health 614.21
verification of legis. 328.36
Credibility Bible 220.1[4]
Credit
collapse fin. econ. 332.75
commercial " " 332.742
financial economics 332.7
foncier financial econ. 332.72
government guaranteed
financial economics 332.745
production 338.91
public credit 336.341
institutions
administrative regula. 351.825
architecture 725.24
financial economics 332.31
Credit (cont.)
instruments
counterfeiting 332.94
financial economics 332.77
insurance of business 368.81
landed financial econ. 332.72
maritime " " 332.742
mobilier railroads 385.097382
scandal, 1873
US hist. 973.82
money currency 332.52
personal fin. econ. 332.743
popular " " 332.73
public control & limit. 336.346
polit. econ. 336.34
sales methods 658.882
system schools 371.26
unions cooperation 334.2
unsecured fin. econ. 332.745
Creditor and debtor
commercial law 347.7
Credits
agricultural fin. econ. 332.71
bank " " 332.7
international " " 332.748
Credo music 783.22
Creeds doctrinal theology 238
public worship 264.5
ritual, Catholic 264.027
Greek 264.0197
Prot. Epis. 264.037
etc.
see also qualifying or specific terms
Creek co., Okla history 976.684
Indians, removal
1825–29 US hist. 973.55
Creeping
locomotion botany 581.18663
plants " 581.52643
floriculture 635.974
landscape art 715.17362
Cremaster anat. 611.7366
Cremasteric fascia " 611.639
Cremation burial customs 393.2
public health 614.62
see also Incineration
Crematories architecture 726.83
Crenshaw co., Ala history 976.136
Creodonta mammalogy 599.743
paleozoology 569.743
Creole dialect Fr. lang. 447.9
state (La.) hist. 976.3

Creosoting bldg industry 691.1
Crepe manufactures 677.02864
see also special fibers
Crescent Lake migratory
bird refuge, Neb. descr. 917.82915
Cresco-fylma phot. chem. 771.549
Cress (Brassicaceae, Tropaeolaceae)
garden crops 635.56
see also qualifying or specific terms
Crested turkey (Gallinae)
agriculture 636.59214
Crestings roof constr'n 721.562
Crests heraldry 929.8
Cretaceous period geol. 551.77
Cretan sheep (Bovidae)
domestic animals 636.373
Crete history 949.98
ancient 939.18
Cretinism pathology 616.997
psychology 132.2442
Cretonne cotton mfg 677.2164
Creuse history 944.68
Creutz, G F Swed. poetry 839.7145
Crevant sheep (Bovidae)
domestic animals 636.3441
Crevasses, glacial geol. 551.31
Crèvecoeur fowls (Gallinae)
agriculture 636.541
Crewel work fancywork 746.44
Crews transport 656
Cribbage card games 795.41
Cribbing student honor 371.81
Cribbling engraving 765.6
Cribrariaceae botany 589.2932
Cribwork
bridge engineering 624.1572
foundations architecture 721.172
hydraulic engineering 627.3
mining 622.28
Cricket fights recreation 791.8
sports 796.358
Crickets (Gryllidae) entomol. 595.729
see also Grasshoppers, Locusts
Criers, public advertizing 659.14
Cries, battle war customs 399
popular folklore 398.8
Crime
and illiteracy
public education 379.21
punishment
jurisprudence 343
cost of sociology 364.28
military science 355.133

Crime (cont.)
penal law 343
prevention sociology 364.4
sociology 364.2
suffrage limitations 324.174
Crimea history 947.7
Crimean war Eur. history 940.28
Rus. " 947.07
Criminal
anthropology sociology 364.33
anthropometry " 364.334
courts civil service 351.945
ethnography sociology 364.335
gangs " 364.374
law 343
administration and
crime sociology 364.252
international 341.4
manias psychology 132.6
[1] **procedure law** 343.09
psychology 150.1336434
sociology 364.34
[1] **reports law** 343.09
slang sociology 364.30144
trials penal law 343.1
type sociol. antropology 364.332
types, gen. sociology 364.32
Criminality, hereditary
psychology 136.32
Criminals
adult sociology 364.37
[1] **biography** 923.41
deportation of
crime prevention 364.42
immigration 325.12
discharged
postprison treatment 364.8
dreams of psychology 135.366
immigration limitations 325.154
in literature sociol. 364.254
sociology 364.3
sterilization of sociol. 364.42
see also Delinquents, Offenders
Criminology sociology 364
Crinoidea zoology 593.91
Cripple Creek, Colo hist. 978.858
Crippled
children, care of sociol. 362.78
childstudy 136.7616
dreams of psychology 135.3636
education of 371.916
labor of economics 331.59
Crises
commercial sociology 380.1242

Crises (cont.)
economic, and crime
sociol. 364.26
production 338.55
See also in Tables subhead **Crises,** under specific types of production, e.g. 338.15
financial polit. econ. 332.64
political internal rela. 323.2
Crisp co., Ga history 975.889
Crispus, C S Lat. lit. 878.2
Criterion ethics 171
Crithmum maritimum
(Ammiaceae) garden crops 635.74
Critical miscellany music 780.883
realism philosophy 149.2
Criticism
dramatic theater 792.01
Criticism
fine arts 701.18
higher Bible 220.6
literary, art of 801
lower Bible 220.7
musical fine arts 780.072
philosophy 142
Critics, art fine arts 706.9
Crittenden compromise, 1860
US Civil war 973.712
co., Ark history 796.794
Ky " 976.989
Croatia history 943.94
Croatian language 491.83
swine (Suidae)
domestic anim. 636.473
Crocheted rugs fancywork 746.73
Crocheting domestic econ. 646.27
fancywork 746.43
industry 677.66
twist
manufacture 677.02862
see also special fibers
Crockery pottery 738.34
Crockett co., Tenn hist. 976.8225
Crocodilia herpetology 598.14
Crofton system prisons 365.26
Croisade Albigeoise
(Chanson) Provençal poet. 849.122
Croix de guerre mil. sci. 355.134
Cromarty history 941.15
Cromlechs archeology 571.94
Cromwell
Oliver Eng. history 942.064
US " 973.23
Richard Eng. " 942.065
US " 973.23
Cronartiaceae botany 589.225
Cronus Greek mythology 292
Crook co., Ore history 979.583
Crookes tubes
electric lighting 621.3277
electricity 537.53
Crookneck squash (Cucurbitaceae) garden crops 635.621
Crooning voice culture 784.94
Crop
cleaning tools agric. 631.362
dusting aircraft service 629.13863
failures production 338.15
farms agriculture 631.141
insurance business 368.5
loans financial econ. 332.71
rotation agric. methods 631.582
storage appliances agric. 631.364
bldgs archi. 728.95
Crops
agricultural produce 633
for market, preparation of agriculture 631.56
preservation of agric. 631.55
storage for " 631.563
Croquet lawn structures
landscape art 717.687
lawns lands. art 712.5476354
sports 796.354
Cross, Marian Eng. fict. 823.88
Cross
arms electric lines 621.319224
country running 796.42
county, Ark history 976.793
ecclesiology 247.9
education
psychol. of learning 154.47
fertilization biology 575.432
botany 581.16625
legends folklore 398.22
vaults arched constr'n 721.44
Crossbow archery 799.32
Crossbreeding apiculture 638.1453
zootechny 636.08243
Crosses religious archi. 726.95
Cross-eye, *see* Strabismus
Crosshead slides
gun mounts 623.4352
Crossing
out tests psychology 151.23
plant breeding 631.523
Crossings church archi. 726.592
Crossopterygii ichthyol. 597.46
Crossosomataceae botany 583.36
Crossruling shorthand 653.129
Crossties forest products 634.9833

Crotalaria junca (Fabaceae)
field crops 633.562
Croton (Euphorbiaceae)
botany 583.951
grape viticulture 634.8452
oil pharmacy 615.323951
toxicology 615.93
Crotonoideae (Tricoccae)
botany 583.951
Croup pathology 616.201
Crow Butte, Neb history 978.293
(Mesomyodi) ornithol. 598.86
Wing co., Minn hist. 977.671
Crowbar farm tools 631.3116
Crowberry (Empetraceae)
botany 583.984
Crowd psychology sociol. 301.1582
Crowds and lands. design 713.6
criminology 364.374
Crowfield, Christopher
pseud. Amer. fict. 813.37
Crowfoot (Ranunculaceae)
botany 583.111
Crowley co., Colo hist. 978.894
Crowley's Ridge, Ark hist. 976.79
Crown
appointment
legislative bodies 328.3351
colonies polit. sci. 325.315
grafting agriculture 631.54142
lands finance 336.1
Point, NY
history 974.753
Amer. revol. 973.3314
colonial 973.26
Crowne, John Eng. drama 822.43
Crowning courses
archi. design 729.317
wall constr'n 721.27
road engineering 625.74
Crowns arch construction 721.428
fine arts 739.27
Crozier eccles. insignia 247.6
Crucial ligaments anatomy 611.72831
Cruciales botany 583.123
Crucibles metallurgy 669.8
practical chem. 542.232
Cruciferae botany 583.123
Crucifix ecclesiology 247.9
Crucifixion Christology 232.963
Cruciform churches archi. 726.52
Cruelty ethics 179.2
European war 940.4056
in war int'l law 341.3
war customs 399
Cruisers shipbuilding 623.825
Cruising boating sport 797.1
radius shipbldg 623.81
Crura cerebri anatomy 611.8154
physiology 612.8263
superior
anatomy 611.8164
Crural
canal anat., regional 611.9815
nerve, anterior anat. 611.8355
Crureus anatomy 611.73822
Crusades church hist. 270.4–.5
Eur. " 940.18
Crusenstolpe, M J
Swedish fiction 839.7362
Crushers
chemic apparatus 542.22
farm tools 631.3143
hydraulic mech. eng. 621.26
machine tools 621.92
Crushing mining dangers 622.83
ore dressing 622.73
plants mine archi. 725.431
Crusta anatomy 611.81542
Crustacea fishery 639.5
paleozoology 565.3
zoology 595.3
Crutches manufactures 685.381
surgery 617.58
Cruz Cano y Olmedilla, R F
de la Sp. drama 862.43
San Juan de la
Spanish lit. 868.34
Crying physiology 612.219
Cryoscopy of organic fluids
physiology 612.0144622
solutes chem. 541.341
urinary
physiology 612.461179
Cryphaeaceae botany 588.21532
Crypt chapels archi. 726.41
Crypteroniaceae botany 583.444
Cryptesthesia spiritism 133.93
Cryptococcales botany 589.97442
Cryptogamia " 586
Cryptogamic
generative organs bot. 581.462
Cryptographic art eccles. 246.5
Cryptography writing meth. 652
Cryptomonadales botany 589.97444
Cryptonemiales " 589.415
Cryptophyceae " 589.9744
Cryptoproctidae mammalogy 599.74425
Cryptoraphideae botany 589.622

Cryptoscopy clairvoyance 133.832
Crypts arched constr'n 721.43
burial archi. 726.82
in churches " 726.596
Crystal
artificial chem. tech. 666.1
fine arts **748**
gazing divination 133.322
receivers, oscillating
radio 621.384136628
Crystalline
aggregations crystallog. 548.2
lens anatomy 611.8441
ophthalmology 617.74
physiology 612.8441
psychology 152.141
limestone petrology 552.46
secretion botany 581.1494
state chemistry 541.7
Crystallization
engineering materials 620.1125
practical chemistry 542.65
systems crystallography 548.1
Crystallographic
measurements 548.7
Crystallography **548**
Crystalloids
chemistry of solutes 541.345
Crystalotypes photography 778.25
Crystals
clockwork 681.112
formation and growth of
crystallography 548.5
in practise radio reception 621.38413622
irregularities of 548.4
oscillating radio 621.3841311
twin crystallography 548.2
Crystal-valve
receiving sets radio 621.38413663
Crystoid films phot. chem. 771.528
Ctenolophonoideae
(Linaceae) botany 583.211
Ctenophora zoology 593.8
Ctenostomata " 594.712
Cuba history 972.91
bast fiber crops 633.59
filibuster expeditions
1849–51 US hist. 973.64
Cubango history 967.38
Cubature calculus 517.33
Cubicles library buildings 022.52
Cubics geometry 513.59
analytic 516.59
Cubism painting schools 759.915
Cubital nerve anat. 611.8336
Cubocuneiform joints " 611.72855
Cuboid " 611.71875
Cubo-navicular ligament
anatomy 611.72856
Cuckoo (Cuculidae)
ornithology 598.74
spits (Cercopidae)
entomology 595.7533
wasp (Chrysididae)
entomology 595.795
Cuculidae ornithology 598.74
Cucumber
blight (Peronosporineae)
botany 589.252
(Cucurbitaceae)
garden crops 635.63
tree (Magnoliaceae) bot. 583.114
(Oxalidaceae) " 583.224
Cucumis (Cucurbitaceae)
garden crops 635.63
melo
(Cucurbitaceae)
garden crops 635.611
Cucurbitales botany **583.46**
Cucurbitariaceae " 589.2351
Cue and ball games recrea. 794.7
Cuffs domestic economy **646.48**
Cuirassiers cavalry 357.16
Culcidae (Nematocera)
agricultural pests 632.771
Culdees church history 274.1
Culebra Range, Colo hist. 978.896
Culinary
art domestic econ. **641.5–.8**
grapes viticulture 634.872
schools dom. econ. **641.071**
Culling zootechny 636.08236
Cullman co., Ala history 976.173
Culpeper co., Va " 975.539
Cult
religious admin. regula. 351.857
Cultivated
areas regional plan. 711.32
plants landscape art **715.17**
Cultivating forest nursery 634.95645
tillage 631.517
Cultivation, land
rented for
economics 333 5
see also Arable lands
plant culture 631.54
Cultivators farming 631 316

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Cults, relig., cookery of
domestic economy 641.567
Cultural
factors and crime sociol. 364.254
stimuli sociology 301.15
vs practical studies
curriculum 375.0071
Culturalization sociology 301.1535
Culture
and religion theology 261.6
history 901
methods botany 580.7254
primitive archeology 571
self- adult education 374
sociology 301
Culverins ordnance 623.4211
Culverts city planning 711.726
railway eng. 625.13
water wheels 621.21
Cum laude
university & col. degrees 378.22
Cumacea zoology 595.381
Cumberland, Richard
English drama 822.65
Cumberland
Army of the, Soc. of the 369.158
US Civ. war 973.7416
city, Md hist. 975.295
co., Eng. " 942.85
Ill " 977.373
Ky " 976.968
Me " 974.19
NJ " **974.994**
NC " **975.637**
NS " 971.611
Pa " 974.843
Tenn " 976.875
Va " 975.5615
Gap, Tenn " 976.894
Mts " 976.9154
Tenn " 976.894
Plateau " **976.87**
Ky " **976.91**
[1] **Presbyterians sect. hist.** **285.3**
River history **976.85**
lower, Ky history 976.9895
upper, " " **976.961**
sheep (Bovidae)
dom. anim. 636.3253
state park, Ky.
description 917.6912
swine (Suidae) dom. anim. 636.4243
Cumberlandism psychology 133.323
Cuming co., Neb history 978.223
Cuneiform
bone, carpal anatomy 611.71773
tarsal " 611.71878
cartilage " 611.221
inscriptions
Assyro-Babylonian
philology 492.1917
old Persian philol. 491.5117
language
[4] **of Babylon & Nineveh** **492.19**
Cuneo-navicular joints
anatomy 611.72856
Cuneus anatomy 611.81317
Cunningham cattle (Bovidae)
dom. anim. 636.2253
grape vitic. 634.8452
Cunoniaceae botany 583.397
Cup and ball games 796.25
Cupboards
domestic economy 643.48
fixed furniture 729.94
Cupeling furnace prac. chem. 542.42
Cupellation
quantitative analysis 545.4
Cup-fungi
little (Phacidiineae) bot. 589.2335
(Pezizineae) botany 589.2332
Cupola furnace prac. chem. 542.42
Cupolas arched constr'n 721.46
archi. design 729.342
roof constr'n 721.576
Cupping therapeutics 615.811
Cuprammonia silk industry 677.462
Cupressaceae botany 585.214
Cuprotypes photography 773.122
Cups, bronze archeol. 571.37
neolithic " 571.27
precious metals arts 739.2184
Cupseed (Menispermaceae)
botany 583.116
Cupuliferae botany **583.976**
Curaçao history 972.98
Curare poisons physiol. 612.8171
toxicol. 615.97
Curatella (Dilleniaceae) bot. 583.112
Curb brokers fin. econ. 332.62
exchanges " " 332.61
roofs archi. constr'n 721.592
Curbs
road engineering 625.888
lands. constr'n 713.71
Curd mills cheese indus. 637.3322

Curdling
cheese industry 637.3331
milk, and gastric juice
physiology 612.3216
physiology 612.664171
see also Coagulation
Curds painting medium 751.242
photographic chem. 771.58
Cures
miraculous doc. theol. 231.73
therapeutics **615.85**
see also Faith cure, Healings
Curia, pontifical
eccles. polity 262.136
regis jurisprudence 347.99
Curing food preservation
chem. tech. 664.9
dom. econ. **641.49**
sheds architecture 728.93
Curiosa
book rarities **099**
in other specific fields
[2] see subject —0883
Curiosities clockworks **681.117**
plant
lands. art 715.17368
Curiosity
psychology 158
of learning **154.443**
will 159.4
Curioso parlante, el, *pseud.*
Spanish fiction 863.52
Curleys silk waste indus. 677.443
Curling ice sports 796.96
Currants (Grossulariaceae)
fruitculture **634.721**
Currency
elastic fin. econ. 332.414
emergency " " 332.52
managed " " 332.56
metals coins & coinage 332.418
notes financial econ. 332.53
see also Money
Current
carrier wired radio 621.3841574
collecting devices
electric traction 621.3344
events history 909.82
in curriculum
education 375.90982
measurement of
electric engineering 621.3744
radio 621.384175
supply telephony 621.38696
suspension wheels
mechanical engineering 621.234
Currents
atmospheric meteorology 551.51
electric physics 537.6
oceanic physiography **551.47**
Curriculum education **375**
elem. educ. **372**
higher " **378**
2dary " **373**
Currie, Mt history 968.632
Currituck co., NC hist. 975.613
Curry co., Orc " 979.521
Cursing ethics 179.5
Cursores ornithology **598.5**
Cursoria entomology 595.722
Curtains
domestic economy 645.3
fortifications 623.116
hygiene of dwellings 613.592
interior decoration 747.5
manufactures 684
motor vehicle body **629.266**
office economy 651.243
photographic lighting 771.22
theater, adver. on bus. 659.137
Curtis, G W Amer. essays 814.37
Curtisioidcae (Cornaceae) 583.497
Curtius Rufus, Quintus
Latin literature 878.8
Curvature
double geometry 513.58
anal. 516.58
geology 551.82
of spine pathology 616.73
Curve drafting instruments
mech. drawing 744.3
tracing calculus 517.24
Curved surfaces, theory of
calculus 517.26
Curvembryeae botany **583.91**
Curves
catenary mechanics 531.83
characteristic
phot. sensitometry 771.5345
radio tubes 621.3841321
drawing 741.44
geometry **513.2**
Cartesian **516.2**
higher plane
geometry, analytic 516.54
Cartesian 516.26
of double curvature
geometry 513.58
anal. 516.58
plane, theory of calculus 517.24
railway engineering 625.11
road " 625.72

Curvilinear motion dynamics 531.3
perspective
drawing 742.3
Cuscus grass (Andropogoneae)
field crops 633.815
Cuscutaceae botany 583.781
Cushion herbs " 582.146
mosses (Leucophanaceae) botany 588.21471
Cushions artistic furn. 749.37
domestic econ. 645.47
Cusped arches
architectural constr'n 721.427
Custard apple
(Anonaceae) fruitculture 634.415
family (Anonaceae)
fruitculture 634.41
northern (Anonaceae)
fruitculture 634.418
Custer co., Colo hist. 978.852
Ida " 979.672
Neb " 978.247
Okla " 976.617
Range, Wash " 979.773
Custodianships fin. econ. 332.14
Custom system production 338.64
Customaries Russian law 349.47
see also Common law
Customhouses architecture 725.142
Customs
and duties pub. fin. 336.26
tariff 337
manners sociology 390
folklore 398.3
local folklore 398.34
national 913–919
of Iran 915.5
New England 917.4
Spain 914.6
etc.
of war sociology 399
permits tariff 337.83
primitive archeology 571
reprisals polit. econ. 337.38
social, bad hygiene 613.87
student life 371.8
unions tariff 337.91
Cut flowers floriculture 635.966
regulation forestry 634.928334
Cutaneous
absorption physiology 612.384
cervical nerve anatomy 611.83333
diseases pathology 616.5
functions physiology 612.79
Cutaneous (cont.)
nerve
internal anatomy 611.83552
lateral femoral anat. 611.83544
of calf " 611.83582
medial, of brachium
anatomy 611.8339
middle anatomy 611.83551
posterior femoral
anatomy 611.83573
radiation physiology 612.521
secretion " 612.792
sensibility
physiology of skin 612.794
touch 612.88
psychology 152.571
Cutglass fine arts 748.3
Cuticle anatomy 611.771
vegetable morphol. 581.477
Cutis vera anatomy 611.778
Cutleriales botany 589.455
Cutlery factories archi. 725.434
Cuts printing 655.32
journalism 070.324
railway engineering 625.12
Cutters
ensilage- farming 631.363
shipbuilding 623.826
stalk- farming 631.3166
stubble " 631.3552
weed " 631.3155
Cutting
benches farming 631.335
cycle forestry 634.928324
for improvement silvic. 634.9532
machinery mech. tools 621.93
of stone masonry 693.12
plates & films
phot. manufactures 770.2812
silviculture 634.95
tools office fittings 651.4651
utensils photography 771.41
Cuttings
floriculture 635.948
intermediate silvic. 634.953
plant culture 631.535
vegetable propagation 581.16583
Cuttlefish
(Dibranchia) zool. 594.55
powder phot. retouching 771.45
Cutwork fancywork 746.44
Cutworms (Noctuina)
agricultural pests 632.786
Cuxhaven, *see* Kuxhaven
Cuyahoga co., O history 977.131

Cyanastraceae botany 584.331
Cyane, ship War of 1812 973.5257
Cyanids chemic tech. 661.7
toxicology 615.963
Cyanogen organic chemistry 547.1
Cyanophyceae botany 589.8
Cyanotype processes phot. 772.22
Cyatheaceae botany 587.3128
Cycadales " 585.91
paleobotany 561.591
Cycadofilicales botany 585.95
paleobot. 561.595
Cycadophyta botany 585.9
Cycadoxylaceae " 585.961
paleobot. 561.5961
Cycas (Cycadaceae) botany 585.911
Cyclades history 949.95
ancient 939.15
Cyclamen (Primulaceae) bot. 583.672
Cyclanthaceae botany 584.62
Cycles
business
and crime sociology 364.26
production 338.54
trade commerce 380.124
Cyclic law occult astrol. 133.501
Cycling. ethics 175.7
ice sports 796.97
sports 796.6
Cyclist cavalry mil. sci. 357.5
infantry " " 356.11
Cyclocarpineae botany 589.171
Cyclographs photography 771.316
Cycloid geom., Cartesian 516.26
Cycloidal arches
architectural constr'n 721.423
Cyclometers
motor vehicle equipment 629.2733
Cyclones library dangers 022.29
meteorology 551.51
Cyclonic storms meteorol. 551.55
Cyclopean
architectural styles 722.61
remains Greek archi. 722.8
Cyclopedias, general 030
in specific fields
[2] see subject —03
Cyclops (Copepoda) zool. 595.34
Cycloramas archi. bldgs 725.825
arts & crafts 745.8
painting 751.74
Cycloramic cameras phot. 771.316
Cyclosporeae botany 589.452
Cyclostigmaceae botany 587.921
paleobot. 561.7921
Cyclostoma zoology 594.711
Cyclostomes
(Marsipobranchii)
ichthyology 597.2
Cyclothymia medicine 616.8953
psychology 132.1953
Cydonia (Rosaceae)
fruitculture 634.14
Cygninae (Anseres) avic. 636.681
Cylinder
bridges engineering 624.4
foundations archi. 721.172
grinding machinery 621.922
Cylinders
geometric perspective 515.65
geometry 513.43
graduated prac. chem. 542.35
locomotive steam eng. 621.1341
motor vehicle engine 629.2521
strength of eng. 620.11283
Cylindric
perspective drawing 742.3
projections
geometry, descr. 515.57
roofs archi. constr'n 721.592
vaults arched " 721.43
Cylindrocapsaceae botany 589.47423
Cylindrographs phot. 771.316
Cylindroscopes " 771.46
Cymbals music instr. 789.2
Cymbellaceae botany 589.6234
[4] Cymric group of languages 491.65
Cynanchoideae botany 583.73
Cynara scolymus
(Carduaceae) garden crops 635.32
Cynareae botany 583.5533
Cynewulf Anglo-Saxon poet. 829.4
Cynic philosophers 183.4
Cynipoidea (Phytophaga)
agricultural pests 632.793
Cynocrambaceae botany 583.9152
Cynodon dactylon
(Chlorideae) field crops 633.261
Cynomoriineae botany 583.447
Cynopithecidae mammalogy 599.82
Cynthiana grape vitic. 634.845109
Cyperaceae botany 584.841
Cypheliaceae " 589.173
Cyphers, *see* Ciphers
Cyphioideae
(Campanulaceae) botany 583.59

Cyphomandra betaceae
(Solanaceae) fruitculture 634.7761
Cypress Island, Wash hist. 979.772
Cypresses
bald- (Taxodiaceae) bot. 585.211
(Cupressaceae) forestry 634.9755
flowering (Tamaricineae)
botany 583.158
mock (Chenopodiaceae)
botany 583.914
Cypriote archi. styles **722.32**
Cyprus history 956.4
ancient 939.37
Cyrano de Bergerac
Savinien French fiction 843.46
Cyrenaic philosophers 183.5
Cyrenaica history 961.4
ancient 939.75
Cyrillaceae botany 583.273
Cyrtandroideae
(Gesneraceae) botany 583.83
Cyrtopodaceae " 588.21532
Cystic artery anatomy 611.13641
duct " 611.366
vein " 611.1495
Cystoflagellata botany 589.9735
Cysts pathology 616.993
Cytasis
metabolism, physiologic 612.39631
Cytinaceae botany 583.923
Cytisin organic chemistry 547.25
Cytologic variation bot. **581.1512**
Cytology
biology **576.3**
botany **581.87**
hereditary biology 575.138
histology **611.0181**
pathologic biology 574.26
botany 581.26
physiology **612.014**
Cytoplasm veget. cytol. 581.8734
Cytoplasmic movements bot. **581.186**
Cytotoxins
physiology of blood **612.1182**
Cyttariaceae botany 589.2332
[4] Czech language **491.86**
Czechoslovakia history **943.7**
Czechoslovaks in
Russia European war 940.4374
Siberia " " 940.4385
Czernowitz
history 943.75
Eur. w., 1914 940.4225
1915 940.4253
1916 940.4275
1917 940.4325

D

DAR US patriotic societies 369.135
D hoe farming 631.3152
Dabossa history 967.617
Dacia " ancient 939.82
Dacites petrology 552.26
Daco-Rumanian language 459.7
literature 859
Dacryomycetineae botany 589.2215
Dactylanthoideae
(Balanophorineae) bot. 583.947
Dactylis glomerata
(Festuceae) field crops 633.22
Dactylography
anthropometry 573.6
criminology 364.334
Dade co., Fla history **975.938**
Ga " 975.834
Mo " 977.8745
Daemonorops (Palmaceae)
fiber crops 633.588
textile industry 677.545
Daggers fine arts 739.72
Dagobas mortuary archi. 726.86
Daguerreotypes photography 772.12
Dahlia (Helianthaceae) bot. 583.5547
Dahlstjerna, G E
Swedish poetry 839.7135
Dahna hist. 953.7
Dahomey " **966.8**
Dai Nippon " **952**
Daigo Japanese " 952.01623
Daika reform " " **952.014**
Darien, Manchuria " 951.822
Dairies architecture 728.96
domestic economy 641.43
Dairy
and beef cattle
see Beef and dairy cattle
buildings milk industry 637.131
cattle
Amer. (Bovidae)
dom. anim. **636.283**
Belgian (Bovidae)
dom. anim. **636.245**
Danish (Bovidae)
dom. anim. **636.2356**

Dairy (cont.)
cattle (cont.)
Dutch (Bovidae)
dom. anim. 636.235
Eng. (Bovidae)
dom. anim. 636.224–.225
Fr. (Bovidae) dom. anim. 636.244
Ger. & Swiss (Bovidae)
dom. anim. 636.234
farms agriculture 637.113
industry agriculture 637
products
agriculture 637
chem. anal. of sci. 543.2
state inspection 614.32
stables architecture 728.942
Dais architecture 729.932
Daisy (Asteraceae) botany 583.5543
globe- (Globulariaceae)
botany 583.823
grape viticulture 634.847
Dakar history 966.32
Dakhini language 491.43
Dakhmes architecture 726.87
Dakota co., Minn history 977.656
Neb " 978.2224
Territory " 978.3
see note under **Virginia**
Dalbergieae (Fabaceae)
field crops 633.377
Dale co., Ala history 976.133
Dalin, Olof von
Swedish poetry 839.7142
Dallas co., Ala history 976.145
Ark " 976.767
Ia " 977.757
Mo " 977.881
rubbertypes phot. 777.5
Dallastypes photography 777.3
Dalles, The, city, Ore 979.5621
Dalmatia history 943.69
Dalny, Manchuria " 951.822
Dalton plan educ. meth. 371.394
Daltonism ophthalmology 617.75
physiology 612.8455
psychology 152.155
school hygiene 371.72
Damage appraisal forestry 634.928428
insurance business 368.6
Damages private law 347.5
Damaraland hist. 968.85
Damascus " 956.9
ancient 939.42
Eur. w. 940.4381
Damask cloth
manufactures 677.02864
see also special fibers
special fabrics 677.61
Damaskeening archi. dec. 729.66
Dame schools elem. educ. 372.241
Damietta history 962.13
Dammar tree
(Dipterocarpaceae) bot. 583.167
Damnation doctrinal theol. 237.6
Dampers
steam boiler furnace 621.18382
Damping aerodynamics 629.13236
radio circuits 621.384123
Dams, breaking of, and
plant succession
botany 581.524326
city planning 711.67
forest engineering 634.936
hydraulic " 627.8
landscape art 714.5
mechanical eng. 621.29
mining 622.56
Dana, R H Amer. poetry 811.27
Dance form piano music 786.44–.46
of death relig. art 246.5
songs vocal music 784.3
Dancehalls architecture 725.866
Dance-music for piano
modern 786.46
Dances
characteristic recrea. 793.32
classical " 793.32
Indian history 970.67933
music form 781.5085
national amusements 793.31
of Argentina 781.50857982
Judea 781.50857933
Sweden 781.508579485
etc.
war customs 399
Dancing, artistic recrea. 793.32
ethics 175.3
games, children's 796.13
recreation 793.3
social customs 394.3

Dancy tangerine (Rutaceae)
fruitculture 634.322
Dandelion (Cichoriaceae)
garden crops 635.46
Dandy fever pathology 616.921
Dane co., Wis history 977.583
Danezy grape viticulture 634.8544
Danger islands history 969.7
Dangerous goods, express
rates for railways 385.132384
Dangers
elemental & social
lib. bldgs 022.29
closing 024.46–.47
hygiene, occupational 613.66
mining 622.8
mountaineering 796.522
Dangleberry (Vacciniaceae)
fruitculture 634.731
Daniel
Apocalypse of
pseudepigrapha 299.913
Bible 224.5
Messianic prophecy of
Christology 232.127
Samuel English poetry 821.33
Danish
England history 942.01
islands swine (Suidae)
domestic animals 636.434
[4] **language 439.81**
West Indies, purchase
1917 US hist. 973.913
[4] **Dankali language 493.55**
Dansac-Chassagne process
photography 778.66
Dante Alighieri It. poet. 851.15
Danube river valley
Germany history 943.48
Danubian countries hist. 949.6
Danville, Ill " 977.365
Va " 975.5666
Danzig " 943.12
Daphnales botany 583.93
Daphniphyllaceae
(Tricoccae) botany 583.951
Daqahlîya history 962.13
Darbyites
Plymouth brethren 286.7
Dardanelles campaign
Eur. w. 1915 940.4259
nav. operations 940.455
1916 940.4289
Dare co., NC history 975.6175
Dar-el-Beida " 964.3
Dar-es-Salaam " 967.83
Eur. w. 940.4298
Darfur " 962.7
Darien
canal commerce 386.443
engineering 626.90986
expedition colonies 325.86
emigrants 325.241
foreign trade 382
isthmus, Panama hist. 986
Dark ages Eur. " 940.1
and bloody
ground (Ky) history 976.9
Darke co., O history 977.147
Darkening over
cinematic films 778.58
Darkness and crime sociol. 364.22
Darkroom
clocks photography 771.41
furnishings " 771.23
lighting " 771.24
operations
developing phot. 770.2832
preexposure " 770.2814
photography 771.13
Darling, Fort, Va
operations, 1864
US Civil war 973.7365
Darlington co., SC hist. 975.766
Darmstadt " 943.41
Darning
domestic economy 646.24
needle (Odonata) entomol. 595.733
twist manufactures 677.02862
see also special fiber
Darter (Steganopodes)
ornithology 598.43
Dartmoor pony (Equidae)
dom. anim. 636.1625
prison, England
War of 1812 973.5271
sheep (Bovidae)
dom. anim. 636.3262
Dartos anatomy 611.6384
Darwin, Rhodesia history 968.9385
Darwinism biology 575.0162
physiology 612.609
Dasycladaceae botany 589.4734

Data collecting
forest management 634.928332
statistics 311.22
Date palm (Palmaceae)
fruitculture 634.62
stamps
office fittings 651.4653
Dates, arrangement by
office filing 651.5335
chronology 902
Dati, C R Italian essays 854.54
Dating mach. manufactures 681.6263
office equip. 651.265
Datiscaceae botany 583.469
Daucus carota (Apiaceae)
field crops 633.43
garden " 635.13
Daudet, Alphonse Fr. fict. 843.88
Daughters of
charity relig. orders 271.91
1776–1812, US 369.142
the Amer. revolution 369.135
Cincinnati 369.132
Confederacy 369 175
revolution US soc. 369.136
17th century
Colonial US soc. 369.128
Dauphin co., Pa history 974.818
Dauphinot process phot. 773.123
Dauphiny history 944.96
Daurat, Jean French poet. 841.31
Davanzati, Bernardo
Italian essays 854.44
D'Avenant, William
English drama 822.41
Davenport, Ia history 977.7691
David, Messianic promises to
Christology 232.124
Davidioideae (Nyssaceae)
botany 583.415
Davidson co., NC hist. 975.668
Tenn " 976.855
Davie co., NC " 975.669
Davies, John Eng. poetry 821.35
Daviess co., Ind hist. 977.2385
Ky " 976.9864
Mo " 977.818
Davis, John Amer. " 973.17
co., Ia " 977.797
Dawes co., Neb " 978.293
Dawson City " 971.21
co., Ga " 975.826
Neb " 978.246
Dawsoniales botany 588.2112
Day co., Okla history 976.6155
dreaming psychology 135.37
nurseries
child welfare 362.71
passenger rates
railways 385.132242
sidereal and solar
chronology 529.1
time of hygiene 613.13
working economics 331.811
Day-fly (Ephemeridae)
entomology 595.734
Daylight
loading boxes phot. 771.33
photography fine arts 771.442
Days, names of chronology 529.2
Dayton, O history 977.173
Deacon and deaconess
ecclesiastic polity 262.15
Deaconnesses relig. orders 271.99
Dead and living matter
biology 577.22
communications with
spiritism 133.9
game painting 758.45
houses architecture 726.88
ice packing for the
public health 614.64
lists of
Eur. w. memorials 940.467
ministry of
sacraments 265.8
Sea history 956.9
towns city planning 711.424
transport of
aircraft service 629.138617
public health 614.63
treatment of
customs 393
public health 614.6
worship of
comparative relig. 291.2135
Deadnettle (Labiatae) bot. 583.891
Deaf asylums architecture 725.54
childstudy 136.7612
dreams of psychology 135.3632
education of 371.912
instit. for sociol. 362.4
libraries for 027.6624
YMCA work with 267.369
Deafness ear pathology 617.8
physiology 612.85877
psychology 152.2877
school hygiene 371.712
tone physiology 612.858746
psychology 152.28746

Deans of schools
univ. & col. admin. 378.11
students
univ. & col. admin. 378.113
Dearborn co., Ind history 977.211
group tests no. 2
psychology 151.22233
Death aid to survivors
public relief 362.67
and life biology 577.24
resurrection
doc. theol. 236
biology 577.7
botanic ontogeny 581.13536
causes & conditions
biology 577.72
dance religious art 246.5
from exposure
physiology 612.591–.592
masks sculpture 731.75
metabolism after
physiologic chem. 612.015349
metaphysics 128
nature of physiol. 612.013
penalty crim. law 343.2
physiology 612.67
rates demography 312.2
1 **pub. health 614.12**
signs of physiol. 612.0131
symptoms biology 577.76
tax public finance 336.276
types of biology 577.75
vegetable cytology 581.8765
warning divination 133.322
Deaths
registers of genealogy 929.3
registration of demog. 312.2
loc. gov't 352.4
1 **pub. health 614.12**
Deathwatch (Corrodentia)
entomology 595.732
Debarkation
military maneuvers 355.53
tactics 355.422
Debasement money 332.413
Debates
interschool self-culture 374.245
parliamentary
legislative procedure 328.374
of special countries
1 **political science 328**
2 in specific fields see subject —04
see also Disputations
Debating
clubs self-culture 374.24
oratory 808.5
Debentures financial econ. 332.63
Debility pathology 616.986
Debt ethics 174.7
floating pub. fin. 336.32
flotation " " 336.344
local government 352.1
public
econ. burden & effects 336.345
political econ. 336.3
see also Finance, public
Debtor and creditor
commercial law 347.7
Debtors prisons 365.47
Decadence sociology 301.1536
Decades chronology 529.2
Decalcomania arts & crafts 745.7
Decalog Bible 222.16
Decantation
practical chemistry 542.66
washing prac. chem. 542.69
Decapitation crim. law 343.2
physiology 612.8227
Decapoda (Crustacea) zool. 595.384
zoology 594.58
Decatur, city. Ill history 977.358
co., Ga " 975.899
Ind " 977.216
Ia " 977.7875
Kan " 978.114
Tenn " 976.832
Deccan hemp (Malvaceae)
field crops 633.563
Decency
public admin. control 351.76
Decentralization
industrial production 338.018
Decidua pathology 618.35
physiology 612.63
Deciduous
hedges floriculture 635.97683
plants landscape art 715.1742
shrubs
conservatory floric. 635.97653
floriculture 635.9763
trees floriculture 635.9776
forestry 634.972
Decimal syst. arithmetic 511.1
weights & measures
metrology 389.1

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Decipium chemistry 546.692
Decision, freedom of
psychology of will 159.124
Decisions of juries
math. probabilities 519.3
Decks shipbuilding 623.84
Declamation
oratory 808.5
with music fine arts 784.25
Declaration of
Savoy doctrinal theol. 238.58
war international law 341.3
Declarations
legal procedure 347.92
Declension Eng. grammar 425.15-.17
" other lang. —515-517
Declination, variations of
astronomy 521.27
Declinations, tables of
occult astrology 133.55
Decline
botanic ontogeny 581.13535
period of physiology 612.67
Decoction practical chem. 542.61
Decomposition
biology 577.74
chemodynamics 541.39
Decorated arches
architectural construction 721.427
Decoration
architecture 729
carved architecture 729.5
cut flowers floric. 635.9663
day school holiday 371.365
social customs 394.268
US Civ. war anniv. 973.768
domestic economy 645
ecclesiastic theology 247
fine arts 740
industrial fine arts 745-749
interior " " 747
library buildings 022.34
museum " 069.22
of table dom. econ. 642.8
office furnishing 651.24
plants for indoor floric. 635.9653
religious ecclesiology 246
roof construction 721.56
school buildings 371.635
Sunday schools 268.25
Decorations
heraldry 929.7
honorific numismatics 737.2
military honors 355.134
[1] **presentations of Eur. w.** 940.464
work encouragements 331.9
Decorative
art advertizing copy 659.1323
arts 740
revival
arts & crafts 745.1
design fine arts 745.43
paintings " " 751.76
patterns paintings 753
sculpture fine arts 731.72
work Sunday schools 268.685
Decorum ethics 177.1
Decrement
radio circuits 621.384123
measurements 621.384174
Decremeters radio 621.3841334
Decretals eccles. polity 262.6
sectarian hist. 282
Dedication
ordinances 265.9
sermons homiletics 252.7
Deduction
logic 162
of wages
economics 331.212
lib. econ. discipline 023.9
office " " 651.4483
psychology 153.634
Dedza history 968.9745
Deeds private law 347.2
Deep soil culture agric. 631.586
Deer (Cervidae) dom. anim. 636.294
mammalogy 599.73574
parks lands. art 712.644
Deer-antelope
(Merycodontidae)
mammalogy 599.73576
paleozoology 569.73576
Defaced coins fin. econ. 332.419
Defamation private law 347.5
Default public debt 336.368
Defacation physiology 612.365
Defective
education of 371.9
hygiene of progeny 613.9
mental prison hygiene 365.664
physical anatomy 611.012
somatology 573.9
surgery 617.3
psychology of 136.76
Defense
areas city zoning 711.559
city planning 711.13
fortifications mil. eng. 623.1
means of comp. physiol. 612.016
national mil. sci. 355.45
reservations lands. art 719.37

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Defense (cont.)
structures
city planning 711.67
waterfront city plan. 711.763
towers architecture 725.976
Defenses, accessory
fortifications 623.117
Defensive operations
military engineering 623.3
Deferred development educ. 371.9
Defiance co., O history 977.114
Defilading military eng. 623.114
Definite integrals calculus 517.32
Definiteness · bus. letters 651.752
Definition of
[1] specific field see subj. —011
Definitions, library 020.14
Deflation
apparatus aircraft 629.134382
money 332.414
Deflections of beams
bridge engineering 624.2011282
Defoe, Daniel Eng. fict. 823.51
Deformation
tests eng. materials 620.1123
vegetable teratology 581.226
Deformed childstudy 136.7617
fowls (Gallinae)
agriculture 636.5882
Deformities
anatomy 611.012
animal teratology 591.2
variation 591.159
brain psychology 132.243
hygiene of progeny 613.91
influence of psychology 136.6
somatology 573.9
surgery 617.3
vegetable teratology 581.22
variation 581.159
Deformity and crime
sociology 364.242
Degeneracy
and genius psychology 151.165
psychology 136.32
viticulture 634.835
Degeneration
biology 575.7
botanic ontogeny 581.13535
hereditary, and crime
sociology 364.23
vegetable cytology 581.8765
Deglutition
and facial nerve physiol. 612.81975
larynx physiology 612.785
physiology 612.312
Deglutitory muscles anat. 611.7327
Degoutant grape vitic. 634.8544
Degradation
ecclesiastic discipline 262.9
military service 355.133
Degrading students 371.28
Degrees, academic
see Academic degrees
Dehydration of honey apic. 638.16347
Deism church history 270.7
natural theology 211
Deistic theories of
sensation psychology 152.0162
Deists, apologetics against
doctrinal theology 239.5
Deity doctrinal theology 231
DeKalb co., Ala history 976.166
Ga " 975.8225
Tenn " 976.853
Dekalb co., Ill history 977.328
Ind " 977.277
Mo " 977.815
Deken, Agatha Dutch fict. 839.31342
Dekkan hemp (Fabaceae)
field crops 633.562
(Malvaceae)
field crops 633.563
Delagoa Bay history 967.99
Delaine sheep (Bovidae)
domestic animals 636.3682
Delany system
multiplex telegraphy 621.38236
telegraphy 621.38247
Delavigne, J F C
French drama 842.72
poetry 841.72
Delaware
county, Ind history 977.265
Ia " 977.7385
NY " 974.736
O " 977.1535
Okla " 976.691
Pa " 974.814
grape viticulture 634.84709
River forts Amer. revol. 973.3337
state history 975.1
See note under Virginia
Delayed express rates
railways 385.132353
Delegated power
political science 321.8
Delesseriaceae botany 589.412
Delft history 949.2
ware pottery 738.37
Delgado, Cape history 967.91
Delhi " 954.5

Delille, J M Fr. poet. 841.54
Delineation, plane of
drawing 742.1
Delinquency
juvenile criminal law 343
criminology **364.36**
education 371.93
psychology 136.763
library book loans 024.63
excuses for 024.73
tax public finance 336.292
Delinquents
juvenile criminology **364.36**
prisons 365.42
see also Criminals, Offenders
Delirious mania medicine 616.89514
psychology 132.19514
Delirium medicine **616.893**
psychology **132.193**
senile med. **616.89833**
psychol. **132.19833**
tremens med. 616.8932
psychol. 132.1932
Delisle's method astron. 523.93
Delitsch-Schulze system
cooperative banks 334.22
Delivery
cars motor vehicles 629.223
operation 629.284
charges, express
railways 385.132391
death after obstetrics 618.79
obstetrics **618.4**
of goods bus. methods 658.7885
stations lib. bldgs 022.16
Della Robbias eccles. 246.7
Del Norte co., Calif. hist. 979.411
Delta
connections
elec. transmission 621.3191332
counties, Miss. history **976.24**
county, Colo " 978.818
Mich " 977.494
Deltas physiography 551.48
Deltoideus anatomy 611.73711
Deluge Genesis 222.11
geologic agents 551.92
Delusional insanity
medicine **616.897**
psychology **132.197**
Delusions
erotic psychology 132.752
hypnotic " 134.52
medicine **616.895–.897**
popular occultism **133**
psychology **132.195–.197**
Deluxe cars
passenger rates railways 385.132255
Demagogy, political
partizanship 329
Demand
and supply
see Supply and demand
notes financial credit 332.77
Dematerialization
spiritism 133.922
Dematiaceae botany 589.2411
Demeney chronophotographe 778.531
Dementia
medicine **616.898**
paralytica medicine 616.892
psychology 132.192
psychology **132.198**
Demerara River history 988
Demeter Greek mythology 292
Demigods comp. relig. **291.213**
Demisang horse (Equidae)
domestic animals 636.144
Demobilization
military maneuvers 355.51
science **355.2**
Democracy
industrial economics 331.152
pure political science 321.4
representative republics 321.8
social political economy **335.5**
Democratic
party US politics 329.3
state political science 321.4
Democritus philosopher 182.7
Demography and city plan.
civic arts 711.13
sociology **312**
Demolition devices
military engineering 623.27
Demonetization fin. econ. 332.421
Demonism, poli-
comparative religion 291.211
Demonology comp. relig. 291.216
doc. theol. 235
sorcery 133.4
Demonstration
advertizing **659.15**
educational methods 371.38
forest policy 634.92513
Demosthenes Gk oratory 885.6
Demotions students 371.28
Demulcents therapeutics 615.735
Demurrage transport 656
Den furnishing dom. econ. 645.64
Denbigh history 942.93
Denderah " 962.33

Dendrites histology 611.018837
Dendrolatry comp. relig. 291.2123
Dendrology botany 582.15
forestry 634.942
Dengue pathology 616.921
Denial metaphysics 121
Deniferina botany 589.9732
Denina, Carlo It. essays 854.62
Denmark history 948.9
Dennis, John Eng. drama 822.51
Denominational schools
education 377.8
Denominations, Christian
sectarian history 280
Densimetry, urinary
physiology 612.461179
Densitometers phot. chem. 771.5345
Density
changing
negatives treatment 770.2837
solutions photography 771.546
curves
phot. sensitometry 771.5345
determination
practical chemistry 542.32
gravity 531.54
physical chemistry 541.3
Densographs phot. chem. 771.5345
Dent co., Mo history 977.886
Dental
inspection school hyg. 371.712
periosteum, diseases of 617.63
work indus. hygiene 331.822
Dentate nuclei anatomy 611.81713
Denticete mammalogy 599.53
Dentin diseases surgery 617.62
physiology 612.3111
Dentistry 617.6
Dentists 617.6069
biography 926.176
registration of
public health 614.24
Denudation geology 551.3
Denver co. & city, Colo
hist. 978.883
mountain parks, Colo
description 917.8884
Deodorants hygiene 613.4
physiology 612.7924
therapeutics 615.777
Deodorization
sewage disposal 628.32
sewer ventilation 628.237
Deodorizers pub. health 614.482
Deontology ethics 170

Department
arrangement by
office files 651.531
heads office economy 651.373
organiza. labor econ. 331.12
lib. admin. 025
mus. " 069.6
office econ. 651.32
stores business manage. 658.871
Departmental
cooperation education 371.101
organization US gov't 353.04
system education 371.4
Departments
French local gov't 352.04401
Departments
[1] **governmental, foreign** 354
US 353
in specific fields
[2] see subject —061
Dependencies
colonization 325.312
representation of legis. 328.3343
Dependents
aid to public relief 362.67
child welfare 362.7
childstudy 136.767
education of 371.966
institutions for sociol. 362.5
Deperdussion control
aircraft 629.13433
Depersonalization
medicine 616.85232
psychology 132.15232
Dephlegmators prac. chem. 542.48
Depolarizers voltaic cells 621.3524
Depopulation demography 312.8
rural agric. 630.1
immig. 325.12
Deportation
European war 940.405
immigration 325.154
of criminals
crime prevention 364.42
immigration 325.12
Deposit
banks of fin. econ. 332.1
transfer instruments
financial credit 332.76
Deposition
and plant succession
botany 581.524323
diluvial geology 551.35
geology 551.3
legal procedure 347.94

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Deposits
bank financial econ. 332.17
book library exchange 025.269
Depots railroad eng. 625.18
Depravity doctrinal theol. 233.2
natural " 216
Depreciation
business inventory 658.7871
insurance business 368.81
money 332.413
Depressants of
heart therapeutics 615.716
nerves " 615.786
Depressed arches
architectural construction 721.422
Depression, agitated
medicine 616.89563
psychology 132.19563
Depressions
and crime sociology 364.26
commercial " 380.1242
cranial phrenology 139.2
domestic trade 381.01242
financial economics 332.64
production 338.57
See also in Tables subhead Crises, under specific types of production, e.g. 338.15
Depressive
insanity medicine 616.895
psychology 132.195
mania medicine 616.89565
psychology 132.19565
psychosis medicine 616.8954
psychology 132.1954
Depressor
alae nasi anatomy 611.7323
angulae oris " 611.7326
nerve physiol. of heart 612.1787
Deptford, London history 942.16
Depth of sewers san. eng. 628.218
psychology 153.8
Deputies office personnel 651.3735
DeQuincey, Thomas
English essays 824.81
Derangements, mental
childstudy 136.762
medicine 616.8
psychology 132
Derbesiaceae botany 589.4725
Derby history 942.51
Derbyshire gritstone sheep
(Bovidae) dom. anim. 636.3261
Derepas mounting phot. 770.2844
Dermal respiration
biology 574.122
physiologic botany 581.122
zoology 591.122
Dermaptera entomology 595.721
Dermatocarpaceae botany 589.16
Dermatology anat. 611.77
comp. 591.47
pathology 616.5
physiology 612.79
Dermis anatomy 611.778
Dermoskeleton comp. anat.
zoology 591.47
Déroulède, Paul Fr. poet. 841.86
Derricks mechanical eng. 621.872
Derry history 941.62
Dervishes Mohammedanism 297
Désaugiers, M A M Fr. poet. 841.65
Descartes, René philos. 194.1
Descending colon anatomy 611.3484
Descent
genealogy 929.1
into hell Christology 232.967
of man evolution 575.8
rules of private law 347.6
Deschamps
Emile Fr. poetry 841.73
Eustache " wit 847.13
Deschanel, P E L
presidency 944.08
Deschutes
county, Ore history 979.587
River valley, Ore hist. 979.56
Desclot, Bernardo
Catalan literature 849.9812
[1] **Description and travel** 910
Descriptive
anatomy biology 574.7
poetry lit., Amer. 811.06
Eng. 821.06
[3] other —106
rhetoric 808.16
Descudéry
Georges French fiction 843.44
Madeleine " " 843.45
Desecration
ecclesiastic discipline 262.9
Desensitization
photographic chemistry 771.5343
Desert plant formations
botany 581.52653
Desertion mil. service 355.114
Deserts
natural landscape 719.235
physiography 551.58

Deserts (cont.)
reclamation of agric. 631.617
soil humidity in " 631.432
DesEssars, Nicolas
de Herberay Fr. fict. 843.33
Desfontaineaceae botany 583.741
Desha co., Ark history 976.785
Deshoulieres, Antoinette
(Du Ligier de la Garde)
French poetry 841.46
Desiderata
library book selection 025.215
Design
advertising layout 659.1324
apologetics 239
architecture 729
cemetery lands. art 718.4
city planning 711.12
elementary education 372.52
fine arts 745.4
garden lands. art 712.624
industrial fine arts 745–749
landscape art 712.2
library buildings 022.34
mechanical drawing 744.42
metaphysics 124
museum buildings 069.22
of bldgs indus. manage. 658.23
sewers sanitary eng. 628.24
painting 751.41
presentation lands. art 712.35
private estates
landscape art 712.6414
sculpture 731.1
shipbuilding 623.81
Designing
Sunday school work 268.685
Designs
collections of
in other specific fields
[2] see subject —084
engineering steam eng. 621.11
floral floriculture 635.9664
steam turbines 621.1653
in other specific fields
[2] see subject —00034
Desire and emotion psychol. 157.01643
Desires
psychology of instinct 158.4244
will 159.4
Desk fittings lib. econ. 022.99
Desks artistic furniture 749.34
domestic " 645.44
office equipment 651.233
school " 371.631
Desmarestiaceae botany 589.457
Desmideales " 589.613
Desmids " 589.613–.614
Desmodium tortuosum
(Fabaceae) field crops 633.365
Des Moines, city, Ia hist. 977.7581
co., " " 977.796
DeSoto co., Fla " 975.959
Miss. " 976.287
parish, La. " 976.363
Despériers, Bonaventure
French fiction 843.32
Desportes, Philippe
French poetry 841.38
Despot worship
comparative religion 291.213
Despotism political science 321.6
Despots, age of It. hist. 945.05
Despourrins, Cyprien
Provençal poetry 849.142
Dessication prac. chem. 542.48
Destiny, soul metaphysics 129.6
nat. theol. 218
Destitution pauperism 339.1
Destouches, P N Fr. drama 842.53
Destroyers shipbuilding 623.825
Destruction, elemental
agriculture 632.1
Destructors sanitary eng. 628.44
Detached
buildings city planning 711.62
city houses architecture 728.37–.39
Detachments mil. units 355.31
Details
special mil. command 355.34
Detective cameras phot. 771.3136
Detectives local gov't 352.2
Detectors
electron tube radio 621.3841323
radio reception 621.3841362
Detention
houses prison archi. 725.62
prisons 365.34
juvenile criminology 364.525
school punishment 371.56
Deterioration
agricultural fertilizers 631.814
alcoholic medicine 616.898122
psychology 132.198122
senile medicine 616.89831
psychology 132.19831
in other specific fields
[2] see subject —000364
Determinants algebra 512.83

Determinations
astronomic geodesy 526.6
Determinism criminology 364.34
doc. theol. 234.9
metaphysics 123
psychol. of will 159.14
Detonators
projectile chem. tech. 662.4
ordnance 623.45424
Detritus petrology 552.51
Detroit, Mich
history 977.434
surrender, 1812 US hist. 973.5231
Deuel co., Neb history 978.291
Deuterocanonic books Bible 229
Deuteromycetes botany 589.24
Deuteronomy Bible 222.15
Deux-Sèvres history 944.62
Devaluation money 332.413
Developing meth. teaching 371.34
Development
after birth physiology 612.65–.66
and variation botany 581.15123
apparatus photography 771.43
arrested botany 581.227
biologic evolution 575.6
biology 574.135
embryonic physiology 612.64
incomplete orthopedics 617.31
intellectual
see Intellectual devel.
laboratories photography 771.13
portable phot. 771.25
laws phot. sensitometry 771.5345
photographic negatives 770.2835
positives 770.2842
photolithography 775.4
photometalography 776.4
physiologic botany 581.135
zoology 591.135
physiology 612.6
process photography 774.4
projections cartography 526.83
room furnishings phot. 771.23
solutions " 771.544
tanning by " 773.3
Devereaux grape vitic. 634.8452
Deviation of
compass magnetism 538.7
falling bodies
astron., terrestrial 525.37
Devices fine arts 704.945
Devil worship comp. relig. 291.216
sorcery 133.42
Devil's snuff-box
(Lycoperdineae) botany 589.2217
Devils doctrinal theol. 235
in art 704.9487
Devise private law 347.6
Devon history 942.35
cattle (Bovidae)
domestic animals 636.2261
sheep (Bovidae)
domestic animals 636.3217–8
Devonian period geology 551.74
Devotional
exercises pub. worship 264.1
sermons homiletics 252.4
Dew meteorology 551.57
Dewa history 952.115
Dewberry (Rosaceae)
fruitculture 634.717
Dewey, Godfrey
shorthand, English 653.42
system 653.773
Dewey co., Okla history 976.618
Dewitt co., Ill " 977.3585
Dexter shorthorn cattle
(Bovidae) dom. anim. 636.2256
Dextrality
see Righthandedness
Dextrin painting medium 751.242
Dextrins and nutrition
physiology 612.39612
Dextrose chemic tech. 664.1
Dhundia Jainism 294.4
Diabase petrology 552.34
Diabetes
and urine physiol. 612.46621
experimental " 612.35213
pathology 616.63
see also Glycosuria
Diabolism theology 235
Diabolo games 796.25
Diacoelia anatomy 611.8148
Diadems fine arts 739.27
Diagnosis
of pregnance obstetrics 618.22
pathology 616.075
psychology, abnormal 132.075
zootechny 636.0896075
Diagonal
arches archi. constr'n 721.425
perspective drawing 742.4
signs, left shorthand 653.123
Diagram of work mechanics 531.42

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Diagrams shorthand 653.129
statistical 311.26
Diakka sorcery 133.42
Diakonikons church archi. 726.596
Dial
switches elec. stations 621.31733
system telegraphy 621.38223
telegraphs business 654.3
Dialect literature 808.89
Eng. 828.99
Sp. 868.99
US 818.9
Dialectic materialism
psychology 150.1945
Dialectics logic 160
Dialectology philology 408.7
Dialects English language 427
[3] other " —7
Dialogs recreation 793.24
Dials
clockwork 681.112
horology 681.1111
astronomic 529.78
radio equipment 621.38413388
Dialyptetalae botany 583.1
Dialysis
electro- prac. chem. 542.8
physiology 612.382
practical chemistry 542.64
qualitative analysis 544.5
Diamagnetism physics 538.4
Diameter growth
forest mensuration 634.928534
Diamond
Cave, Ark. description 917.6716
grape viticulture 634.84709
state (Del) history 975.1
Diamonds
geology, economic 553.8
mineralogy 549.2
Diana grape viticulture 634.84709
Diandrae (Orchidaceae) bot. 584.15
Diapedesis physiology 612.1124
Diapensiaceae botany 583.65
Diapered fabrics mfg 677.02864
see also special fibers
Diaphanoscopes phot. 771.46
Diaphanotypes " 772.12
Diaphoretics physiology 612.7924
therapeutics 615.743
Diaphragm anatomy 611.26
physiology 612.2171
Diaphragmatic artery anat. 611.1354
glands " 611.4641
Diaphragms
adjustments photography 770.282
photography 771.354
radio loud speakers 621.38413643
shutters photography 771.36
voltaic cells 621.3523
Diapositives
photographic projection 778.25
Diarbekr history 956.6
Diaries biography 920
school records 371.2
Diarrhea
epidemic pathology 616.934
pathology 616.34
Diarrheal diseases
public health 614.513
Diarthrosis anatomy 611.7296
Diastase pharmacy 615.35
Diastole physiology 612.171
Diastomatales botany 589.9747
Diatessaron Bible 226.1
Diathermancy thermology 536.35
Diathesis, explosive
medicine 616.898132
psychology 132.198132
Diatomaceae botany 589.6236
Diatomaceous earth
geology, economic 553.69
petrology 552.57
Diatomeae botany 589.62
Diatonism music 781.22
Diatrypaceae botany 589.2351
Diazo-bodies org. chem. 547.8
Diazotypes photography 773.7
Dibble farm tools 631.3112
Dibranchia zoology 594.55
Dicarpellatae botany 583.7–.8
Dice divination 133.332
ethics 175.5
games 795.1
Dichaenaceae botany 589.2333
Dichapetalaceae " 583.255
Dichela mammalogy 599.73
Dichobunidae " 599.7333
paleozoology 569.7333
Dichogamy botany 581.166252
Dichtyochaceae " 589.9722
Dichtyochidae " 589.972
Dickens, Charles Eng. fict. 823.83
Dickenson co., Va hist. 975.5745
Dickinson co., Ia " 977.712
Kan " 978.156
Mich " 977.4955
Dickson co., Tenn " 976.844

Diclidantheraceae botany 583.6862
Diclinism " 581.166254
Dicnemonaceae " 588.21473
Dicotyledons
anomalous botany 583.98
botany 583
forestry 634.972–.973
Dicotylidae mammalogy 599.7345
Dicranales botany 588.2147
Dicrotic pulse diagnosis 616.0751
Dictation
language study 407
machines library admin. 025.152
manufactures 681.843
office equip. 651.263
music education 780.77
room office economy 651.16
shorthand use 653.18
Dictator
worship comp. relig. 291.213
[1] **Dictators biography** 923.1
Dictatorship polit. sci. 321.6
Diction, campus
university & college 378.014
Dictionaries
English language 423
[3] other languages —3
polyglot philology 413
rhyming Eng. prosody 426.603
[3] other lang. —6603
in specific fields
[2] see subject —03
Dictonary stands
library furniture 022.934
Dictograph office equip. 651.2625
Dictophones manufactures 681.843
office equip. 651.263
Dictyochaceae botany 589.9722
Dictyolomoideae
(Rutaceae) botany 583.23
Dictyosiphonaceae botany 589.457
Dictyosphaeriaceae " 589.47522
Dictyosteliaceae " 589.292
Dictyotales " 589.451
Dicyemida zoology 595.195
Didactic poet. lit., Amer. 811.05
Eng. 821.05
[3] other —105
rhetoric 808.15
Didactics education 371
elem. schools 372.01
Didelphia mammalogy 599.2
Diderot, Denis philos. 194.5
Didiereineae botany 583.288
Didimium chemistry 546.64
Didymiaceae botany 589.2932
Die presses mach. tools 621.984
Diego Garcia islands hist. 969.7
Dielectric
constant radio capacity
measurements 621.384172
materials radio 621.3841791
measurements " 621.38417
Dielectrics electricity 537.5
Diencephalon anatomy 611.814
Dieppe history 944.25
Dies and diesinking
numismatics 737.43
seal carving 736.34
electric engineering 621.318
Diesel motor
combustion engines 621.436
motor vehicles 629.25145
Diet
Augsburg church history 270.6
circle Ger. loc. gov't 352.04303
in disease physiology 612.3956
political science 328
prisoners' sociology 365.664
Dietaries, camp logging 634.982255
hygiene 613.21
Dietetic diseases pathol. 616.39
Dietetics hygiene 613.2
physiology 612.394–.395
Difference equations
calculus 517.6
Differences
discrimination of psychol. 153.332
finite, calculus of 517.6
Differential
and integral calculus 517.1
artery anatomy 611.13772
calculus 517.2
equations calculus 517.38
geometry 513.7
psychology 136–139
rates railways 385.1321
variations of coordinates
astronomy 522.74
Differentials mot. veh. 629.2458
Differentiation
botanic ontogeny 581.1352
evolution 575.2
pneumatic therapeutics 615.836
Diffraction
heliochromy photography 778.64
of sound physics 534.2
optics 535.4
radio transmission 621.3841156

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Diffused
delusions, unopposed
polymorphic med. 616.897
psychol. 132.197
image apparatus
photographic lenses 771.352
Diffusers photography 771.22
Diffusion
chemistry of solutes 541.341
of gases physics 533.1
liquids physics 532.7
physiologic botany 581.1154
physiology of absorption 612.383
practical chemistry 542.63
psychology of movement 158.2322
Digambara Jainism 294.4
Digastricus anatomy 611.7341
Digby co., NS history 971.632
Digestibility of food
zootechny 636.0852
Digestion
aids to therapeutics 615.734
and albuminoids
physiol. of nutrition 612.398175
gastric juice
physiology 612.322
lymphocytes physiol. 612.11211
spleen " 612.4141
vagus nerve " 612.819913
biology 574.132
caecal physiology 612.363
human " 612.3
physiologic botany 581.132
zoology 591.132
practical chemistry 542.61
tryptic physiology 612.342
Digestive
absorption physiology 612.386
secretion botany 581.143
zoology 591.143
system
anatomy 611.3
and medicines therap. 615.73
pathology 616.3
apiculture 638.1533
surgery 617.43
tract and sympathetic syst.
physiology 612.898
Digests
of cases Eng. law 346.5
US " 345.5
statutes Eng. " 346.3
US " 345.3
Roman law 349.37
in other specific fields
[2] see subject —02
Digger-wasp (Fossoria)
entomology 595.797
Digging plow farming 631.3126
tillage 631.511
tools farming 631.311
Digitalis (Scrophulariaceae)
diuretics 615.761
pharmacy 615.32381
stimulants 615.711
toxicology 615.99
Digits
personification psychol. 152.777
supernumerary surgery 617.36
Dignities heraldry 929.7
Dikes agric. reclamation 631.64
city planning 711.67
geology 551.88
hydraulic eng. 627.4
Dilatation of
gases physics 533.2
liquids " 532.1
Dilatores nasi anatomy 611.7323
Diligence ethics 179.9
Dill (Ammiaceae)
garden crops 635.74
Dilleniaceae botany 583.112
Dillon co., SC history 975.785
Diluents painting, art 751.247
Diluvial deposits geology 551.35
Dimension, 4th cosmology 115.4
geometry 513.82
metaphysics 115.4
physics 530.1
spiritism 133.922
Dimensioning
mechanical drawing 744.43
Dimera entomology 595.7524
Diminished
arches archi. constr'n 721.413
domes arched " 721.46
Diminishing returns
economic law 338.016
Diminutives Eng. etimol. 422.5
[3] other lang. —25
Dimmers
motor vehicle lighting 629.27132
Dimorphic heterogamy bot. 581.1662532
Dimorphism
crystallography 548.3
sexual anim. variation 591.156
veget. " 581.156
Dinguiray history 966.55
Diniferidea botany 589.9732
Dining
car cookery dom. econ. 641.576
factories archi. 725.454

Dining (cont.)
domestic economy 642
halls college archi. 727.38
school " 727.28
room domestic econ. 643.4
furnishing
domestic economy 645.66
rooms prisons 365.54
pub. dom. econ. 647.95
Dinka sheep
(Bovidae) dom. anim. 636.386
Dinner cookery 641.54
talks dom. econ. 642.48
Dinocerata mammalogy 599.66
paleontology 569.66
Dinoflagellatae botany 589.973
Dinophilus zoology 595.189
Dinophyceae botany 589.973
Dinornithidae ornithology 598.54
Dinosauria herpetology 598.19
paleozoology 568.19
Dinwiddie co., Va history 975.558
Diocesan schools educ. 377.4
Diocese eccles. polity 262.3
Diocletian windows
architectural construction 721.843
Diodes radio tubes 621.38413212
Diodorus philosopher 183.6
Dioecious diclinism bot. 581.1662543
Diogenes philosopher 183.4
Dionysus Gk mythology 292
Diophantine anal. algebra 512.23
Dioptrics optics 535.3
physiology 612.844
psychology 152.14
Dioramas archi. bldgs 725.825
arts & crafts 745.8
painting 751.74
Diorite petrology 552.36
Dioscoreaceae botany 584.27
Dioscuri classic mythology 292
Diospyrineae botany 583.685
Diospyros (Ebenaceae)
fruitculture 634.451–.452
Dip geology 551.85
Diphenyl group org. chem. 547.27
Diphtheria
inoculation pub. health 614.478931
pathology 616.931
public health 614.512
Diphthongs English lang. 421.2
[3] other " —12
Diphysciales botany 588.2121
Diplex system radio 621.3841571
Diplomacy
international law 341.7
[1] **political science** 327
Diplomas
engraving 769.5
fake univ. & col. 378.26
Sunday school students 268.47
teachers 268.373
see also Academic degrees, Certificates
Diplomatic
congresses int'l law 341.1
history
see Foreign relations
diplomatic hist. of special events is classed with the events
service aircraft 629.1383
Diplomatics English lang. 421.7
[3] other " —17
paleography 417
Diplopia physiology 612.8468
psychology 152.168
Diploschistaceae botany 589.171
Dipnoi ichthyology 597.48
Dipodascaceae botany 589.2362
Dippers
Baptist sect 286.5
(Insessores) ornithology 598.8
(Natatores) " 598.4
Dipropargyl organic chem. 547.24
Dipsaceae botany 583.541
Dipsomania psychology 132.72
temperance 178.6
see also Alcoholic dementia, Alcoholism, Delirium tremens, Mania a potu
Diptera agricultural pests 632.77
entomology 595.77
Dipteridaceae botany 587.3124
Dipterocarpaceae " 583.167
Dipterygioideae
(Capparidaceae) " 583.131
Diptychs painting 751.72
Direct
current mach. elec. eng. 621.3132
system
arc lighting 621.3252
transmission
electric eng. 621.319122
image phot. chem. 771.538
printing " copying 778.12
taxation public finance 336.21
Directed system radio 621.384157
waves " 621.384111

Direction
calculus of geom., anal. 516.8
finders aircraft equip. 629.13513
finding
radio antennas 621.38413552
in aviation 621.38419142
navigation 621.38419133
stations 621.384157
sense physiology 612.8861
psychology 152.67361
Directions, meth. of geod. 526.54
Directive system radio 621.3841573
Directoire furn. f. arts 749.243
Directorates
interlocking bus. meth. 658.165
Directories
advertizing in business 659.1327–8
[1] **description & travel** **914–919**
legislative polit. sci. 328.338–.339
in other specific fields
[2] see subject —058
Directors
office economy 651.372
provincial
German local gov't 352.04301
rooms for office bldg 651.16
Directory, 1795–99 Fr. hist. 944.045
Directoscopes photography 778.44
Dirigibles engineering **629.13324**
military eng. 623.743
Dirinaceae botany 589.172
Dirks weapons 399
Dirt roads engineering **625.74**
Disabilities, political
suffrage **324.17**
Disabled, hospitals for
sociology 362.18
Disaccharids and nutrition
physiology 612.39614
Disagreements, industrial
capital & labor **331.89**
Disanthoideae
(Hamamelidaceae) bot. 583.394
Disappearing
disease apiculture 638.1533
mounts ordnance 623.4333
Disarmament
ethics 172.4
international arbitration 341.6
Disasters
and migration polit. sci. 325.13
at sea travel 910.4
avigation **629.13255**
labor in economics 331.64
Disasters (cont.)
library bldgs 022.29
closing 024.46–.47
welfare work **361.5**
see also Accident.
Disbelief
psychology of reasoning 153.6634
Disbursement
see Expenditure,
expenses, etc.
Disc, *see* Disk
Discalced clerks, Congregation of Passionists 271.6
Disceliaceae botany 588.21442
Discernment time psychom. 152.834332
Discharge
book
labor service records 331.123
electric **537.5**
see also Spark gaps
labor economics 331.13
military service 355.114
of teachers education 371.14262
water river eng. 627.1
school punishment 371.56
Discharging
arches archi. constr'n 721.426
convicts prison admin. 365.647
Disciflorae
anomalous botany 583.298
botany **583.2**
Disciples of Christ
[1] **Campbellites** **286.6**
Disciplinary
officers
univ. & col. admin. 378.113
power civil service 351.92
Discipline
civil service 351.4
ecclesiastic polity 262.9
legislative bodies 328.366
mental education 370.1
military science 355.133
of consequences
school gov't 371.54
employes economics 331.14
lib. econ. 023.9
office " 651.448

Discipline (cont.)
prison sociology 365.643–.644
schools **371.5**
self psychology of will 159.24
Sunday schools **268.5**
Discoideae botany 589.6224
Discolichenes " 589.171
Discomycetes " 589.233
Discophora zoology 593.77
Discounting fin. econ. 332.84
Discourses homiletics **252**
in specific fields
[2] see subject —04
Discoverers 910.69
[1] **Discoverers biography** **923.9**
Discoveries
geography **910**
[1] **history of science** **509**
Discovery
age of European hist. 940.21
territorial polit. sci. 320.1261
Discriminants algebra 512.85
Discrimination
tests psychology **151.2232**
time psychometry 152.834333
Discus proligerus anat. 611.6512
throwing sports 796.38
Discussion
educational methods 371.37
freedom of polit. sci. **323.443**
sociology 301.1532
Disease
and bile physiology 612.35766
blood pressure
physiology 612.1463
crime sociology 364.242
gastric juice
physiology 612.3265
genius psychology 151.163
heart physiology 612.176
intelligence
physiol. of brain 612.8215
leucocytes physiol. 612.1126
ment. hyg. psychol. 131.335
muscular action
physiology 612.74116
nitrogenous excretion
physiology 612.461236
pulse physiology 612.166
red corpuscles
physiology 612.1116
respiration physiol. 612.226
splenic action
physiology 612.416
Disease (cont.)
and temperature physiol. 612.556
uric acid " 612.461256
urine " 612.4662
vasomotors " 612.186
calorimetry in " 612.5116
causing animals
economic zool. 591.67
plants
economic bot. 581.67
diet in physiology 612.3956
inanition in " 612.3916
prevention
aircraft service 629.138612
Diseases **616**
see also specific names & names of organs & systems affected
and heart sounds
physiology 612.17156
metabolism
physiologic chem. 612.01539
bacterial agriculture 632.3
caused by filth
public health **614.51**
cerebrospinal pathology 616.81–.82
classification of med. 616.012
communicable
pub. health **614.56**
constitutional pathol. **616.9**
contagious
domestic sanitation 648.6
of domestic animals
public health 614.91
pathology **616.91**
public health **614.4–.5**
school hygiene 371.712
cutaneous pathology **616.5**
dietetic " 616.39
functional gynecology 618.17
hereditary
hygiene of progeny 613.93
humoral pathology **616.4**
immigration limitations 325.154
incidence of demography 312.3
pub. health 614.15
infectious biology **574.23**
botany **581.23**
pathology **616.91**
pub. health **614.4–.5**
malnutritional botany 581.21
mental medicine **616.8**
psychology **132**
mortality demography 312.2
pub. health 614.147

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Diseases (cont.)
nonparasitic botany 581.21
occupational economics 331.822
of animals pub. health 614.9
children pathology 618.92
parasitic " **616.96**
pub. health 614.55
skin pathol. 616.57
physiologic botany 581.21
prevention of
public health 614.44
protection from bot. 581.28
puerperal obstetrics 618.7
pulmonary pathology 616.24
renal " 616.61–.62
septic " **616.94**
surgical " **617**
zootechny 636.0897
symptomatic gynecology 618.17
transmission of
public health 614.43
[1] **tropic pathology 616.09**
[1] **public health 614.42**
venereal pathology 616.951–.952
pub. health 614.547–.548
veterinary medicine 619
women's pathology 618
zootechny 636.0896
Disfranchisement suffrage 324.17
Disguised cameras phot. 771.3136
Dishcloth gourd (Cucurbitaceae) garden crops 635.627
Dishes
and plates dom. econ. 642.7
ceramics 738.2
composite cookery 641.8
Dishley cattle (Bovidae)
domestic animals 636.2268
sheep (Bovidae)
domestic animals 636.3212
Dishonesty ethics 174.7
Dishwashing dom. econ. 648.54
Disincarnation metaphysics 129.4
Disinfectants pub. health 614.482
therapeutics 615.777
Disinfection
domestic economy 648.6
of the dead pub. health 614.64
public health 614.48
sewage disposal 628.32
stations architecture 725.194
see also Cleaning
Disintegration
by wetting prac. chem. 542.22
geology 551.9
social psychology 301.1536
Disk
cultivator farming 631.3165
harrow " 631.3136
lichens (Cyclocarpineae)
botany 589.171
pile foundations archi. 721.153
plow farming 631.3128
rollers " 631.3142
stresses
steam turbines theory 621.16514
Disks steam turbines 621.16534
Dislocations geology 551.87
surgery 617.16
Dismal River nat'l forest
Nebraska description 917.82774
Dismissal
compensation labor econ. 331.13
of teachers education 371.14262
Disorderly conduct
criminal law 343
Disorders, political
internal relations 323.2
Dispatch carriers
military science 355.34
Dispatching shop manage. 658.514
Dispensaries pharmacy 615.4
sociology 362.12
Dispensations penance 265.6
Dispensatories pharmacy 615.12
Dispersion optics 535.4
Displacement
abnormal
vegetable teratology 581.223
of parts surgery 617.38
water shipbuilding 623.81
Display
advertizing layout 659.1324
of objects advertizing 659.15
sales methods 658.855
social ethics 177.4
structures city plan. 711.68

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Dispositions
psychology of instinct 158.4244
Disputations
educational methods 371.37
in specific fields
[2] see subject —04
see also Debates
Disraeli, Benjamin
English fiction 823.86
Dissection
anatomic, & state laws
public health 614.22
anatomy 611.07
botany 581.7
ethics 179.4
zoology 591.7
Dissemination veget. ecol. 581.5226
Dissenters, Eng. ch. hist. 274.2
Dissertations
for degree univ. & col. 378.242
in specific fields
[2] see subject —04
Dissipation
ethics 178
wealth consumption 339.44
Dissociation
chemistry 541.39
hypnotism 134.0161
of personalty medicine 616.8523
psychology 132.1523
spiritism 133.90161
theory of solutions
chemistry 541.3411
Dissolution legislature 328.356
Dissolving practical chem. 542.61
Dissonance physiology 612.858744
psychology 152.28744
Distal phalanges
manual anatomy 611.71795
pedal " 611.71895
Distance
indicators aircraft 629.13515
measurement astronomy 522.6
surveying 526.92
planes of lands. art 712.28
writing machines mfg 681.6134
Distemper
colors painting 751.233
decoration fine arts 747.32
mediums fine arts 751.242
painting bldg indus. 698.2
fine arts 751.43
Distention movements
physiologic botany 581.18263
Distillation
lumber forest products 634.98473
practical chemistry 542.48
Distilled
beverages chem. tech. 663.5
products " " 668.7
see also specific names
Distilleries architecture 725.4235
Distilling and pollution
public health 614.732
Distinction ontology 111.821
Distomatales botany 589.9747
Distortability of signs
shorthand 653.158
Distorted images, rectification of photography 778.1
Distorting devices
photographic lenses 771.352
Distortions
and corrections geom. perspective 515.66
congenital surgery 617.39
photographic chemistry 771.536
radio circuits 621.3841282
Distress signals
radio in navigation 621.38419132
Distributing
apparatus telegraphy 621.38327
automatics mfg 681.13
machines printing 655.28
Distribution
archi. elevations 729.12
plans 729.22
centers city planning 711.452
cooperative econ. 334.5
electrostatics 537.22
forest resources 634.92724
geographic, in specific
[2] fields see subj —093–099
meth. of journalism 070.33
of labor & production 338.018
products bus. meth. 658.8
type printing 655.25
wealth
and taxation pub. fin. 336.295
polit. economy 339.2
Distributive
laws of planets astron. 523.21
shares wealth 339.23
Distributors
automatic adver. 659.135
hydraulic turbines 621.241

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Distributors (cont.)
mot. veh. ignition 629.2547
of fertilizers
farm machinery 631.333
District
churches architecture 726.55
court reports US law 345.41
gov't German admin. 352.04302
libraries 027.4226
of Columbia history 975.3
see note under Virginia
school gov't education 379.1534
Districting city plan. 711.5
Districts
election legislative
representation 328.3345
military mil. science 355.45
sanitary Eng. loc. gov't 352.04205
school " " " 352.04206
Ditches agric. reclamation 631.62
Dithyrambics Gk poetry 884
Ditmarsh sheep (Bovidae)
domestic animals 636.3314
Ditrichaceae botany 588.21473
Diuretics physiology 612.4641
therapeutics 615.761
Diurnal inequality of tides
astronomy 525.63
Divers (Pygopodes)
ornithology 598.44
Diversification production 338.018
Diversions school hyg. 371.74
soc. customs 394.2
Dividends bus. finance 658.156
Dividers mech. drawing 744.3
office fittings 651.4654
Divination psychology 133.3
Divinatory
cranioscopy phrenology 139.2
graphology
characterology 137.72
physiognomy
charactertology 138.2
Divine
attributes doc. theol. 231.4
essence ontology 111.125
healing, *see* Cures; Faith
cure; Healing, divine
humanity Christology 232.8
infallibility doc. theol. 231.6
justice theodicy 231.8
law doc. theology 231.7
love " " 231.6
Divine (cont.)
origin theory of dreams
psychology 135.30168
Providence doc. theol. 231.5
right of kings
polit. science 321.6–.7
service
ritual, Catholic 264.02
Greek 264.019
Prot. Epis. 264.03
etc.
wisdom doc. theology 231.6
Diving
bell pneumatics 533.86
sports 797.2
submarine hydraulic eng. 627
salvage 656
Divining rod mining 622.12
occultism 133.323
Divinities comp. relig. 291.21
Divinity
doctrinal theology 230
of Jesus Christology 232.8
representatives of
comparative religion 291.61
schools, *see*
Seminaries, theologic
Division
abnormal
vegetable teratology 581.222
heads office economy 651.373
military science 355.31
of labor production 338.018
reproduction physiol. 612.6041
Divisionism
painting schools 759.914
Divisions
office economy 651.32
of subjects, in specific
[2] fields see subj. —012
Divorce
ethics 173.1
news journalism 070.16
private law 347.6
statis. demography 312.5
public health 614.18
Dixie co., Fla history 975.981
Dixmude Eur. w., 1914 940.4213
1918 940.4361
Dixon co., Neb history 978.222
Diyarbekir history 956.6
Dizy grape viticulture 634.8544

Dizziness medicine 616.841
physiology 612.8863
psychology 152.67363
[4] **Djagataic language** **494.322**
Djibouti history 967.71
Dobruja history 949.8
European war, 1916 940.4281
1917 940.4327
[3] Dochmii Greek prosody 486.3
Dock bldgs architecture 725.34
(Polygonaceae)
garden crops 635.45
Docks city planning 711.764
harbor eng. 627.3
shipbuilding 623.83
Doctorate
univ. & col. degrees 378.243
Doctors physicians 616.069
biography **926.1**
Doctrinal sermons
homiletics 252.3
Doctrines
philosophic **140**
relig. Chr. dogmatics **230**
comp. relig. **291.2**
vs heresies **273**
Documentary films phot. **778.538**
phot. f. arts 778.1
Documentation, in specific
[2] fields see subj. —0002
Documents
and serials
lib. acquisition **025.293**
administration **025.173**
preservation 025.8
legis. distribution of
political science 328.347
negotiable fin. econ. 332.63
pub., deposited in lib. 021.841
[1] **of special countries** **328**
Dodder (Cuscutaceae) bot. 583.781
Doddridge co., WVa hist. 975.456
Dodecanese Islands hist. 949.95
Dodge City, Kan history 978.1761
co., Ga " 975.853
Minn " 977.615
Neb " **978.2235**
Wis " 977.582
Dodo (Columbae) ornithol. 598.65
Dodoma history 967.86
Dog
and cat cemeteries
landscape art 718.8
fighting recreation 791.8
Dog (cont.)
hair textile mfg 677.38
kennels architecture 728.946
racing recreation 798.8
tax public finance 336.2786367
Dogbane (Apocynaceae)
field crops 633.567
Dog-cabbage (Cynocrambaceae) botany 583.9152
Dog-fennel (Eupatoriaceae)
botany 583.5544
Dogger Bank naval battle
European war 940.455
Dogmas
Christian theology **230**
non-Chr. comp. relig. **291.2**
Dogmatic sermons
homiletics 252.3
Dogmatism philosophy 148
Dogs (Canidae)
diseases of vet. med. 619.7
domestic animals **636.7**
hunting with business 639.1
sports 799.23
zootechny 636.081113
in military tactics 355.424
watch zootechny 636.0835
see also Hounds
Dogs mechanical eng. 621.837
Dogtooth violet (Liliaceae)
botany 584.32
Dogwood (Cornaceae) bot. 583.497
Dokhmas architecture 726.87
Dolcedo grape vitic. 634.8544
Dolerite petrology 552.35
Dolichocephaly craniology 573.7
Dolichos (Fabaceae)
garden crops 635.654
Doliolidae zoology 594.97
Dolls domestic economy 649.55
Dolmens archeology 571.94
Dolomite petrology 552.55
Dolores co., Colo hist. 978.826
Domain, eminent priv. law 347.2
state colonies 325.315
finance **336.1**
land **333.1**
Dome locomotive boilers 621.1336
steam " 621.18452
Domenico di Giovanni
Italian wit 857.21
Domes
arched constr'n **721.46–.47**
archi. design 729.342
roof constr'n 721.576

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Domes (cont.)
astron. observatories 522.12
carved archi. dec. 729.584
painted " " 729.484
Domesday book
English finance 336.4202
history 942.021
Domestic
animals
agriculture 636
dis. of vet. med. 619
zootechny 636.0896
infectious dis. of
pub. health 614.91
architecture 728
arts & crafts f. arts 745.3
ashes, garbage, etc.
sanitary eng. 628.44
duties ethics 173
economy 640
education of women 376.3
interior dec. f. arts 747
mammals (Ungulata & Carnivora) zoology 599.7
medicine pathology 616.02
relations
courts criminology 364.53
family law 347.6
polit. science 323
servants suffrage limit. 324.178
service household 647
system production 338.65
trade commerce 381
worship comp. relig. 291.2134
prac. " 249
see also Household
Domestication
and variation biology 575.2
viticulture 634.835
zootechny 636.082
Domical vaults
arched constr'n 721.44
Domicile
demography 312.9
private law 347.1
suffrage requisites 324.16
Domination meth.
hypnotism 134.222
Dominic, St, Second order of
religious sisterhoods 271.972
Dominican
fowls (Gallinae) agric. 636.5811
Dominican (cont.)
Republic
annexation treaty, 1869
US history 973.82
history 972.93
see also San Domingo
Dominicans relig. orders 271.2
Dominoes games 795.3
Dompelers Dunkers 286.5
Domschulen education 377.4
Donatioideae (Stylidiaceae)
botany 583.571
Donatists sect. history 281.4
Donegal history 941.63
Donelson, Fort, Tenn,
capture, 1862 US Civ. war 973.7322
naval hist. 973.752
Dongola history 962.5
Doni, A F It. fiction 853.42
Doniphan co., Kan hist. 978.135
Donisthorpe process phot. 773.3
Donjons tower archi. 725.976
Donkeys (Equidae)
domestic animals 636.182
Donne, John English wit 827.35
Donzellino grape vitic. 634.85469
Dooly co., Ga history 975.8895
Door
closers dom. economy 643.6
county, Wis. history 977.563
dec., carved archi. 729.594
painted " 729.494
factories architecture 725.442
fastenings archi. 721.88
furnishings dom. econ. 645.3
office " 651.243
inclosures archi. 721.86
keepers legis. bodies 328.3625
locks mot. veh. equip. 629.275
openers dom. economy 643.6
Doorbells archi. constr'n 721.893
Doormats office economy 651.2415
Doorplates architecture 721.894
Doors
architectural constr'n 721.81–.83
design 729.383
bookcases library econ. 022.47
mot. veh. body 629.2633
shipbuilding 623.85
steam boiler furnace 621.18355
Dooryard gardens
landscape art 712.6247
Dopes phot. chemistry 771.542

Dorchester co., Md hist. 975.227
Que. " 971.472
SC " 975.794
Dordogne history 944.72
Dorian migration
history, ancient 938.01
Doris hist., ancient 938.3
Dorking fowls (Gallinae)
agriculture 636.521
Dormancy veget. phenology 581.5436
Dormers archi. design 729.3553
roof archi. 721.553
Dormitories
college architecture 727.38
for poor charity 362.52
monastic architecture 726.795
school " 727.28
buildings 371.625
student life 371.87
Dormitory type prisons 365.53
Dorr, T W, rebellion, 1842
US history 973.58
Dorsal
column anatomy 611.8222
commissure, white anat. 611.8269
cord anatomy 611.8213
muscles anatomy 611.731
Dorsalis pedis " 611.13794
Dorset
history 942.33
down sheep (Bovidae)
domestic animals 636.3233
horn sheep (Bovidae)
domestic animals 636.3241
Dorsey co., Ark history 976.769
Dorso-thoracic region anat. 611.946
Dort
confession doc. theol. 238.42
synod of sect. hist. 284.2
Dosology pharmaceutics 615.14
Dossiers, in specific
[2] fields see subj. —08
Dot methods engraving 765.5
private law 347.6
Dothideaceae botany 589.2353
Douai Eur. w., 1914 940.4217
1918 940.4364
version Bible 220.52
Douaumont Eur. w., 1915 940.4244
1916 940.4273
Double
doors archi. constr'n 721.833
sash windows archi. 721.845
standard monetary econ. 332.423
windows archi. constr'n 721.843
Double-bass music instr. 787.41
Doublers, frequency radio 621.38413191
Doubling machines
textile equipment 677.02852
process 677.02822
see also **special fibers**
Doubs history 944.46
Doubt
metaphysics 121
psychol. of reasoning 153.6633
rcognition 154.34234
religious soteriology 234.26
Douce noir grape vitic. 634.8544
Douche baths hygiene 613.44
Dougherty co., Ga hist. 975.895
Douglas, Gawin Eng. poet. 821.24
co., Colo hist. 978.886
Ga " 975.824
Ill " 977.368
Kan " 978.165
Minn " 977.645
Mo " 977.883
Neb " 978.225
Ore " 979.529
Wash " 979.731
Wis " 977.511
pouch of anat. 611.6674
Doumer, Paul presidency 944.08
Doumergue, Gaston pres. 944.08
Dove (Columbae) agric. 636.596
Dovecotes architecture 728.945
landscape art 717.66
Dover, Del history 975.15
Eng. " 942.23
Strait of " 944.27
Dovizi, Bernardo, da Bibbiena Italian drama 852.32
Down, Ire. history 941.65
Down-Cotswold sheep (Bovidae) domestic animals 636.3234
Downing grape vitic. 634.84709
Downs sheep (Bovidae)
domestic animals 636.323
Downy
grape viticulture 634.8443
mildew (Peronosporeae)
botany 589.252
Dowry of poor sociology 362.55
private law 347.6
Dowsing divination 133.323
Doyêre pipettes
prac. chemistry 542.73
Dracaenoideae (Liliaceae)
botany 584.32

Drachmann, Holger
  Danish fict. 839.81366
Dracut amber grape vitic. 634.847
Draft
  horse (Equidae)
    dom. anim. 636.15
  steam boiler furnace 621.1838
Drafting
  landscape art 712.35
  mechanical drawing 744.4
  meth. & processes eng. 621.715
  mil. recruitment 355.22
    Eur. w. 940.402
  room factories 621.71
Drafts fin. economics 332.77
    games 794.2
Drag aerodynamics 629.13234
    agric. transport 631.3733
    hunting sports 799.25
    threshing agric. 631.3611
Dragon
  and Bel Apocrypha 229.6
  flies (Odonata)
    agric. pests 632.733
Dragonades church hist. 272.4
Dragons folklore 398.4
Dragoon pigeons (Columbae)
  agriculture 636.59631
Dragoons cavalry 357.16
Drainage
  agric. reclamation 631.6
  airports 629.1363
  and plant succession
    botany 581.524346
  domestic san. eng. 628.6
  forest engineering 634.9362
  hydraulic " 627.5
  mining 622.5
  public health 614.77
  railroad eng. 625.12
  road " 625.73–.74
  sanitary " 628.2
  sewage irrigation 621.367
  shipbuilding 623.85
  syst. city planning 711.82
Draining apparatus
  photographic devel. 771.43
Drains sewer ventilation 628.235
    steam piping 621.1855
Drake, Francis Amer. hist. 973.17
Drakensberg Mts history 968.61
Drama
  Christology 232.992
  collections 808.82
  dept journalism 070.4479
Drama (cont.)
  ethics 175.2
  freedom of polit. sci. 323.446
  literary history 809.2
  literature, Amer. 812
    Eng. 822
  [3] other —2
  liturgic music 783.28
  parlor recreation 793.1
  sacred religion 244
  school theatricals 371.895
Dramatic
  art and singing music 784.95
    recreation 792
  music 782
  poetry lit., Amer. 811.02
    Eng. 821.02
  [3] other —102
    rhetoric 808.12
  writing " 808.2
Dramatists biography 928.082
Dramatization
  advertizing devices 659.138
  educational meth. 371.3325
  Sunday school " 268.67
  synesthetic psychol. 152.777
Draped figures painting 757.23
Draperies art anatomy 743.5
    dom. economy 645.3
    interior dec. 747.5
    textile mfg 677.02864
  see also special fibers
Drapier, M B, *pseud.*
  English wit 827.52
Drastics cathartics 615.7325
Dravidian archi. styles 722.415
    languages 494.8
Draw hoe farming 631.3151
Drawbacks tariff 337.4
Drawbridges engineering 624.8
Drawcansir, Alexander, *pseud.*
  English fiction 823.52
Drawing
  automatic spiritism 133.93
  cinematic films 778.58
  design, ink lithography 763.4
    wood engr. 761.24
  direct spiritism 133.922
  elem. education 372.52
  equip. fine arts 741.3
    mech. f. arts 744.3
  fine arts 740
  freehand fine arts 741
  instr. office fittings 651.4654

Drawing (cont.)
linear fine arts 741.44
mech. " " 744
mills eng. works 621.77
psychology 158.84
elem. educ. 372.5201
room
clocks manufactures 681.1135
furnishing dom. econ. 645.62
Sunday schools 268.684
textile process 677.02822
see also special fibers
topographic surveying 526.98
Drawings
archeology 571.71
building industry 692.1–.2
coll'ns f. arts 741.9
in other fields
[2] see subject —084
landscape art 712.35
library acquisition 025.297
administration 025.177
preservation 025.8
mechanical
preservation f. arts 744.8
reproduction " " 744.5
office files 651.64
photogenic photography 772.12
specimens mus. econ. 069.474
in other specific fields
[2] see subj. —00034
Drawnwork fancywork 746.44
Drawpoint engraving 767.3
Dray horse (Equidae)
domestic animals 636.15
Drays agric. transport 631.3735
Drayton, Michael Eng. poet. 821.34
Dreadnoughts shipbuilding 623.825
Dream books folklore 398.7
psychology 135.382
theories " 135.301
Dreams
and visions psychology 135.3
physiology of brain 612.82176
Dred Scott
biography 326.92
case slavery 326.97368
US Civ. war causes 973.7115
decision US hist. 973.68
Dredging
engines
stationary steam eng. 621.162
steam engineering 621.154
hydraulic engineering 627.7
Dredging (cont.)
mining 622.32
scientific travels 508.3
subaqueous foundations
architecture 721.176
Dreikaiserbund, 1815
international law 341.24
Drepanophyllaceae botany 588.21414
Dresden china ceramics 738.27
history 943.21
Dress
accessories dom. econ. 646.48
ecclesiastic religion 247.6–.7
ethics 177.4
fashions dom. economy 646.01
reform soc " " 646.06
sociology 391
see also Clothing
Dressers textile equip. 677.02854
Dressing
mining 622.7
of stone masonry 693.12
textile process 677.02824
see also special fibers
works mining 622.79
Dressings surgery 617.93
Dressmaking dom. econ. 646.43
trades 687.12–.13
Drew co., Ark history 976.7825
Drewry's Bluff, Va, battle
1864 US Civil war 973.7365
Driers, fruit archi. 728.954
laundry business 648.3
painting, art 751.248
textile equip. 677.02851
Drift
glacial geology 551.33
hills section, Neb hist. 978.22
meters aircraft equip. 629.13513
remains archeology 571.11
Drifting mining 622.26
Drill
educational method 371.32
grounds landscape art 712.57
halls architecture 725.186
military school hyg. 371.733
science 355.5
plow farming 631.3124
Drilling
engines steam eng. 621.154
machinery mech. tools 621.952
mining 622.23
seedage 631.5312

Drills
fire indus. safety 331.823
pneumatic engineering 621.542
sowing farming 631.3315
Drinking
customs sociology 394.1
fountains city planning 711.68
landscape art 714.32
social ethics 178.3
songs vocal music 784.4
Drinks
chemic analysis 543.1
cold hygiene 613.36
hot " 613.37
mixed state inspection 614.349
soft hygiene 613.36–.38
state inspection 614.346–.349
see also Beverages
Drives
final motor vehicles 629.245
horsemanship 798.66
landscape constr'n 713.72
psychology 158
street planning 711.73
Driving axles mot. veh. 629.2455
horsemanship 798.64
log- forestry 634.982543
Droguet, *see* Drugget
Dromaeidae ornithology 598.53
Drôme history 944.98
Dromedary (Cameloidea)
domestic animals 636.295
Drones apiculture 638.12155
Droop system suffrage 324.224
Drop
arches archi. constr'n 721.422
cutoff engines, steam 621.1644
Dropping out students 371.2913
Dropsy diseases 616.4
Droseraceae botany 583.393
Drought
agricultural hindrances 632.12
effect veget. ecology 581.5428
meteorology 551.57
Drowning public health 614.81
Drug
addiction
and dreams psychol. 135.365
genius " 151.164
ethics 178.8
hygiene 613.8
psychology 132.73
addicts homes archi. 725.66
prison hygiene 365.664
adulterants econ. bot. 581.6348
adulteration pub. health 614.35
control crime prevention 364.44
Drugget
manufactures 677.02864
see also special fibers
special fabrics 677.61
Druggists, registration of
public health 614.24
Drugs
and blood pressure
physiology 612.1462
nervous syst. hyg. 613.8
sleep psychology 135.275
work " 158.735
chemic analysis 543.4
economic botany 581.634
zoology 591.63
intoxicating ethics 178.8
hygiene 613.8
metabolism of
physiologic chem. 612.01534
therapeutics 615.7
pharmaceutics 615.1
synthetic pharmacy 615.2
see also Medicines
Druids comp. religion 299.16
Drumhead, ear anatomy 611.855
physiology 612.855
psychology 152.25
Drumlins geology 551.33
Drummers military sci. 355.34
sales channels 658.846
Drummond, William
English poetry 821.36
Drummond
county, Que history 971.456
light chem. technology 665.7
photography 771.445
Drums
advertizing on business 659.137
architectural design 729.348
astron. observatories 522.12
columnar construction 721.38
dome " 721.47
hoisting mining 622.67
music instruments 789.1
steam boilers 621.18452
Drunkenness
administrative control 351.761
criminal law 343
temperance 178.6
Drupaceae botany 583.37
Drupaceous fruits (Rosaceae) agriculture 634.2
Drury's Bluff, Va, battle
1864 US Civil war 973.7365
Druses religion 297
Druze Mts history 956.9

Dry
cleaning chem. tech. 667.1
dom. econ. 646.6
climate birth rate 312.1
distillation lumber
forest products 634.98473
fallen timber
forest products 634.98983
goods trade economics 338.47677
meth. qualitative anal. 544.2
quantitative " 545.4
plate processes, silver
photography 772.15
rot bldg industry 691.1
soils floriculture 635.9553
Dryden, John Eng. poet. 821.48
Drydocks city planning 711.764
harbor eng. 627.3
shipbuilding 623.83
Dryers, *see* Driers
Drying
apparatus phot. devel. 771.43
prints 771.45
emulsions " mfg 770.2812
food preservation
chem. technology 664.8
dom. economy 641.48
laundry business 648.3
photographic developing 770.2838
prints 770.2842
practical chemistry 542.68
printing 655.33
process phot. supports 774.3
sheds architecture 728.93
textile process 677.02821
see also special fibers
Dryland blueberry (Vaccini-
aceae) fruitculture 634.736
Dryness
aeronautics 629.13248
and radio transmission 621.38411558
sensation physiology 612.88
psychology 152.574
Drypetes (Tricoccae) bot. 583.951
Drypoint process engr. 767.3
Drypoints engraving 769.673
Dual alliance treaties
international law 341.2
Duala history 967.12
Dualism
ontology 111
Parseeism 295
Parsic heresies 273.2
philosophic system 147
psychology 130.162
Duality geometry, modern 513.51
DuBartas, Guillaume de
Salluste Fr. poetry 841.37
DuBaudrier, sieur, *pseud.*
English wit 827.52
DuBellay, Joachim Fr. poet. 841.32
Dublin history 941.83
Dubois co., Ind history 977.237
Dubuque co., Ia " 977.739
Duchu islands history 952.81
Ducis, J F French drama 842.61
Duck
on the rock
children's games 796.14
River, Tenn history 976.8434
type airplane eng. 629.13516
Duckbill (Monotremata)
mammalogy 599.1
Ducking
criminal law 343.2
prison punishments 365.644
Ducks (Anseres) agric. 636.597
Duckshot grape vitic. 634.8451
Duckweed (Lemnaceae) bot. 584.68
DuClevier, Thomas, *pseud.*
French fiction 843.32
Ducos du Hauron process
photography 778.66
Ductility physics 539.52
Ductless glands
anatomy 611.4
pathology 616.4
physiology 612.4
Ducts, air- ventilation 697.9
renal anatomy 611.61
pathology 616.61
see also qualifying or specific terms
Ductus venosus Aranzii
anatomy 611.1497
Dudevant, A L A (Dupin)
French fiction 843.82
Dueling criminal law 343
ethics 179.7
legal antiq. 340.3
military life 355.132
social customs 394.8
student life 371.82
Düna River Eur. w. 940.4254
Düsseltaler swine (Suidae)
domestic animals 636.431
DuFail, Noel Fr. fict. 843.34
Dufay dioptichrome process
photography 778.66
Dufferin co., Ont history 971.341
Dufresny, Charles
French drama 842.47

Dugouts shipbuilding 623.8212
Duhem-Margules equation
chemistry 541.39
Dukes co., Mass history 974.494
Dulcimer music 787.9
DuLigier de la Garde, Antoinette Fr. poetry 841.46
Dull normal childstudy 136.7622425
psychology 132.2425
Duluth, Minn history 977.6771
Dum, South, sheep (Bovidae) domestic animals 636.3218
Dumas, Alexandre
fils French drama 842.84
père " " 842.77
fiction 843.76
Dumb asylums archi. 725.54
see also Mute
Dumba sheep (Bovidae)
domestic animals 636.385
Dumbarton history 941.37
Dumbartonshire fowls (Gallinae) agriculture 636.528
Dumb-bells athletics 796.41
waiters dom. econ. 643.6
lib. bldg 022.945
mech. eng. 621.87774
Dumdum bullets ordn. 623.45535
Dume history 967.15
Dumfries history 941.48
Dummies
advertizing display 659.157
moving advertizing 659.138
office letter file 651.675
painting 751.33
Dummy titles lib. econ. 020.88
Dumontiaceae botany 589.415
Dumpies, Scotch (Gallinae)
agriculture 636.528
Dumping
anti-, duties tariff 337.38
foreign trade 382
wagons agriculture 631.3735
Dumps city planning 711.661
Dump-trucks
mot. veh. 629.2243
operation 629.284
Dunajec-San battles Eur. w. 940.4253
Dunbar, William Eng. poet. 821.23
Dunbarton history 941.37
Dundas co., Ont " 971.375
Dundee, Natal " 968.42
Scot. " 941.31
Dundy co., Neb. " 978.286
Dune formations
vegetable ecology 581.526536
Dunedin,
New Zealand history 993.1
Scotland " 941.445
Dunes
and plant succession
botany 581.52432373
formation of geology 551.37
Dung pits architecture 728.948
Dung-beetle (Lamellicornia)
entomology 595.764
Dungeon confinement
criminal law 343.2
prison systems 365.24
Dung-fork farm tools 631.3114
Dunkers Baptist sect 286.5
Dunkirk, Fr.
Eur. w. naval base 940.453
history 944.28
Dunklin co., Mo history 977.899
Dunlap, William
American drama 812.22
Dunlop cattle (Bovidae)
domestic animals 636.2252
Dunmore's war, 1774
US hist. 973.27
Dunn co., Wis history 977.543
Duns Scotus, John philos. 189.4
Duodecimal system
arithmetic 511.1
Duodenal, gastro-, artery
anatomy 611.13641
Duodenum anatomy 611.342
pathology 616.34
DuPage co., Ill history 977.324
Duplex system
radio 621.3841571
telegraphy eng. 621.38232
business 654.2
Duplicates lib. exchange 025.26
Duplicating
and multigraphing
library correspondence 025.154
economy 025.129
writing methods 652
Duplication, apparent
surgery 617.34
Duplicity color theory
physiology of vision 612.8433016472
psychology " " 152.133016472
Duplin co., NC history 975.638
Dupont, Pierre Fr poet. 841.82
Dura mater
cerebral anatomy 611.8195
sinuses of " 611.14511
spinal " 611.8295

Durango, Mex history 972.1
nat'l forest, Colo
description 917.8832
Duration
and attention psychol. 152.723223
cosmology 115
perception psychology 152.753
Durazzo Eur. w., 1915 940.4258
1916 940.4288
history 949.6
Durban history 968.47
Durbar social customs 394.44
D'Urfey, Thomas Eng. wit 827.44
Durham
cattle (Bovidae) agric. 636.2222
county, Eng. history 942.81
NC " 975.656
Ont " 971.356
polled cattle (Bovidae)
domestic animals 636.2263
Durif grape viticulture 634.8544
Duroc Jersey swine (Suidae)
domestic animals 636.483
Durra (Andropogoneae)
field crops 633.178
Durvilleaceae botany 589.452
Dust
cosmic astronomy 523.16
inhalation & absorption
hygiene 613.63
landscape planting 715.158
pollution by
public health 614.71
prevention of
indus. sanitation 628.511
Dusting agric. prot'n 632.94
dom. economy 648.52
Dusting-on processes
photoceramics 773.6
photography 773.2
color 778.66
Dutch
arches archi. constr'n 721.421
belted cattle (Bovidae)
domestic animals 636.2354
cheese dairy industry 637.3543
colonial archi., Amer. 724.1747
doors archi. constr'n 721.833
East Indies history 991
hoe farming 631.3152
[4] **language** 439.31
painting fine arts 759.9492
philosophers 199.492
Dutch (cont.)
[1] **reformed church** 285.7
republic history 949.2
roofs archi. constr'n 721.583
sourmilk cheese
dairy industry 637.356
West Indies history 972.98
see also Holland, Netherlands
Dutchess co., NY history 974.733
grape vitic. 634.84709
Duties
and customs pub. fin. 336.26
tariff 337
conflict of ethics 171.6
employes' office econ. 651.37
forestry exports 634.927251
imports 634.927261
moral ethics 170
servants' dom. econ. 647.6
stamp pub. finance 336.272
Duty
free importation
library aid 021.861
tariff 337.8
Duty
of man doc. theology 233.4
DuVair, Guillaume
French essays 844.41
Duval co., Fla history 975.912
Dvina River, Western
European war 940.4254
Dwarf
blueberry (Vacciniaceae)
fruitculture 634.734
club-mosses (Selaginellales) botany 587.912
Dwarfs anatomy 611.0121
hyg. of progeny 613.91
somatology 573.8
surgery 617.31
see also Gnomes
Dwellings
architecture 728
farm economics 631.21
hygiene 613.5
laboring classes 331.833
prehistoric archeol. 571.8
small architecture 728.6
temporary " 728.18
Dwight, Timothy
American poetry 811.22
Dyadic syst. arithmetic 511.1
[4] **Dyak language** 499.227
Dyaks description 919.11

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Dye
plants field crops 633 86
processes photography 773.5
producing insects agric. 638.3
toning photography 773.53
Dye-forming organic compounds processes phot. 773.7
Dyeing chemic tech. 667.2
dom. economy 646.6
textile process 677.02827
see also special fibers
Dyer co., Tenn history 976.815
Dyes
chemic technology 667.2
economic botany 581.647
lac industry 638.327
photographic chemistry 771.549
sensitive, processes photography 773.7
sensitizing phot. 771.5342
toning " 771.545
Dyewoods forest products 634.98474
Dynamic
aspect psychoanalysis 131.3412
cables manufactures 677.72
electricity physics 537.5
engineering 621
see also Mechanical, Mechanics etc.
mechanism psychoanal. 131.3466
Dynamics
celestial astronomy 521.1
chemo- 541.39
Dynamics (cont.)
electro- physics 537.6
musical compos. theory 781.62
physics 531.3
Dynamism philosophy 146
psychology 150.1932
Dynamite
and safety pub. health 614.833
chemic technology 662.2
Dynamoelectric machinery engineering 621.313
Dynamogenesis physiol. 612.8011
psychol. 158.232
Dynamometer statics 531.21
steam eng. 621.1977
Dynamometry
physiology, muscular 612.744211
Dynamos physics 537.83
Dynamotors elec. eng. 621.31326
Dynatrons radio tubes 621.38413214
Dysentery bee diseases 638.1533
pathology 616.935
pub. health 614.516
Dysolacoideae (Olacaceae) botany 583.26
Dyspepsia
dietetic pathology 616.39
pathology 616.33
physiology 612.326
Dysphaniaceae (Portulacineae) botany 583.156
Dyspnoea physiology 612.2842
Dzungaria desert, China history 951.6

E

E--, *see also* Ae—, Oe—
EO games 795.5
Eagle
black grape vitic. 634.84709
Cap Mt, Ore description 917.9573
county, Colo history 978.844
(Falconidae) ornithology 598.91
Mts, Ore description 917.9571
state (Miss.) history 976.2
Ear
acoustics 534.7
anatomy 611.85
bones anatomy 611.857
physiology 612.857
external anatomy 611.858
physiology 612.851
fungi (Auriculariineae) botany 589.2231
hospitals architecture 725.51
Ear (cont.)
internal anatomy 611.851
physiology 612.858
middle anatomy 611.854
physiology 612.854
muscles anatomy 611.7324
pathology 617.8
physiology 612.85
psychology 152.2
sand, *see* Otocysts
school hygiene 371.712
stones, *see* Otocysts
training music educ. 780.77
Eardrum anatomy 611.855
pathology 617.85
physiology 612.855
Early co., Ga history 975.896
Eng. text society 820.6242

Earrings
costume ornaments 391.7
fine arts 739.27
Earth
age of the geology 550.1
astronomy **525**
burial of dead
customs 393.1
public health 614.611
closet syst. san. eng. 628.43
crust
geology 551.13
oscillations of geol. 551.24
diatomaceous
geology, economic 553.69
petrology 552.57
figure astronomy 525.14
geodesy **526.1**
geoidal geod. 526.17
interior geology **551.11**
movements " 551.24
physiography **551**
structure geology **551.1**
surface
irregularities effect on
angles of triangle 526.65
latitude, longitude & azimuth geodesy 626.64
physiography **551.4**
temperature geology 551.12
worship comp. relig. 291.2128
Earthenware
chemic technology 666.6
kitchen equipment 643.35
pottery 738.34
Earth-houses archeology 571.82
Earthnut (Apiaceae) botany 583.481
(Fabaceae) " 583.322
(Cyperaceae) " 584.841
(Tuberineae) " 589.231
Earthquakes
agric. hindrances 632.19
and plant succession
botany 581.5243222
library dangers 022.29
seismology 551.22
welfare work 361.51
Earths, alkaline chem. **546.4**
Earth-star (Lycoperdineae)
botany 589.2217
Earth-tongues (Helvellineae)
botany 589.2331
Earthwork
architectural constr'n **721.1**
bridge engineering **624.15**
Earthwork (cont.)
landscape constr'n 713.2
mining 622.21
railway engineering 625.12
road " 625.73
Earthworks
archeology **571.9**
effect of projectiles on
ballistics 623.5621
military engineering 623.122
Earthworms (Oligochaeta)
zoology 595.16
Earthy
economic minerals
geology, econ. **553.6**
mining **622.36**
materials sculpture **731.26**
Ear-wax physiology 612.7929
Earwigs (Dermaptera)
agricultural pests 632.721
Easel pieces painting 751.72
Easels drawing equip 741.3
library fittings 022.933
painting 751.3
phot. finishing 771.45
photography 771.318
Easements city planning 711.172
land economics 333.71
private law 347.2
East
Anglian cattle (Bovidae)
domestic animals 636.2267
Baton Rouge parish, La.
history **976.318**
Friesland horse (Equidae)
domestic animals 636.143
Goths history, anc. 936.361
India company
foreign trade 382.065
Indian, mod., languages **491.4**
Indies archi. styles **722.46**
Dutch history **991**
history **954**
[4] **Iranic language** **491.52**
Jersey history **974 91**
Liverpool, O " 977.1631
London, Cape Colony " 968.779
Lothian " 941.45
Orange, NJ " 974.933
Prussia
campaign, 1914 Eur. w. 940.4221–2
1915 " " 940.4251
history 943.11

Topics in black face type are subdivided. Superior figures refer to the tables following this index

East (cont.)
Prussian horse (Equidae)
domestic animals 636.143
St Louis, Ill history 977.389
Timbalier Island bird reservation, La. descr. 917.6339
Turkestan Chinese hist. 951.6
Easter
determination of
chronology 529.44
folklore 398.33212
Island history 997
music fine arts 783.28
ritual, Catholic 264.021
Greek 264.0191
Prot. Epis. 264.031
etc.
school holiday 371.365
social customs 394.268
see also Resurrection
Eastern
and Western ch. separation relig. hist. 270.3
churches architecture 726.581
[1] **orthodox** 281.9
sect. hist. 281.5
empire history 949.5
Pacific physiography 551.466
question Eur. history 940.28
Turkish " 949.6
states, US history 974
see note under **Virginia**
Eating
clubs student life 371.88
customs sociology 394.1
hygiene 613.2
Eaton co., Mich history 977.423
grape viticulture 634.847
Eau Claire co., Wis hist. 977.545
Eaves decorative constr'n 721.564
Evenaceae botany 583.6851
Ebenaceous fruits agric. 634.45
Ebenales botany 583.68
Ebers, G M Ger. fiction 833.86
Ebert, Friedrich, pres. 943.085
Ebolowa history 967.13
Ebony family (Ebenaceae)
fruitculture 634.45
Ebriaceae botany 589.9723
Eburneum process phot. 770.2853
Ecarté card games 795.41
Eccentric projection theory
of sensation psychol. 152.01615

Eccentricity
childstudy 136.7622224
correction geodesy 526.35
ethics 177
of earth's orbit
and seasons astron. 525.52
astronomy 525.33
psychology 132.2224
Eccentrics biography 920.8
mech. eng. 621.85
Ecclesiastes Bible 223.8
Ecclesiastic
courts canon law 348
decisions comp. relig. 291.8
discipline ch. polity 262.9
embroidery fancywork 746.444
furniture
precious metals arts 739.2182
history, *see* Church hist.
Non-Chr. relig. hist.
music, *see* Music, relig.
paintings fine arts 755
polity theology 262
vestments religion 247.7
see also Church
Ecclesiastics
biography 922
church ministry 262.1
Ecclesiasticus Bible 229.4
Ecclesiology
church organization 261–262
religious art 246–247
Echauguettes architecture 725.977
Echegaray y Eizaguirre, José
Spanish drama 862.5
Echi history 952.15
Echigo " 952.1511
Echinoderidae zoology 595.185
Echinodermata paleozool. 563.9
zoology 593.9
Echinodiaceae botany 588.21531
Echinoidea zoology 593.95
Echinosteliaceae (Endosporeae) botany 589.2932
Echitoideae (Apocynaceae)
botany 583.721
Echizen history 952.1571
Echo physics 534.2
Echols co., Ga history 975.8814
Eckstein lithophotogravures
photography 775.7
Eclampsia pathology 616.845

Eclampsic ment. deficiency
  psychology 132.2444
Eclectic architecture 724.5
Eclecticism
  painting schools 759.913
  philosophy 148
Eclectics philosophers 186.3
Eclipse grape vitic. 634.847
Eclipses
  and longitude finding
    astronomy 525.48
  astronomy, theor. 521.8
  effect radio transmission 621.38411556
  lunar astronomy 523.38
  solar " 523.78
Ecliptic
  inclination of equator to
    astron., terrestrial 525.51
  plane of astronomy
    terrestrial 525.32
  solar system 523.26
Ecoles congréganistes
  education 377.3
Ecologic meth. criminology 364.3018
Ecology
  associational botany 581.524
  biology 575.3
  botany 581.5
  criminology 364.22
  forest botany 634.946
  formational botany 581.526
  physiographic " 581.52432
  zoology 591.5
Economic
  aspect motor vehicles 629.2133
    psychoanalysis 131.3413
    in specific fields
[2] see subject —003
  chemistry 660
  consumption wealth 339.43
  cookery dom. economy 641.55
  cycles commerce 380.124
  factors and crime
    sociology 364.26
  geology, *see* Geology, econ.
  goods & services
    polit. economy 330.161
  groups legislature 328.3344
    suffrage 324.227
    production 338.91
  history of Europe 330.94
    Japan 330.952
    Phenicia 330.93944
    etc.
Economic (cont.)
  holidays soc. customs 394.2643
  methods polit. econ. 330.18
  organiza. production 338
  planning " 338.91
  preparedness mil. sci. 355.21
  psychology sociology 330.11
  resources city plan. 711.14
    mil. sci. 355.24
  schools & syst. sociol. 330.15
    see also specific names
  terminology sociol. 330.14
Economico academico intro-
  nato, *pseud.* It. drama 852.54
Economics 330
  and migration
    polit. science 325.13
  apiculture 638.111
  butter industry 637.21
  cheese " 637.31
  dairy " 637.11
  farm agriculture 631.1
  financial 332
  floriculture 635.91
  forestry 634.92
  industrial manage. 658.3
    production 338
  lac industry 638.322
  medieval 330.902
  modern 330.903
  primitive 330.901
  relation to ethics 330.1917
    literature 330.198
    politics 330.1932
    etc.
  zootechny 636.081
Economists 330.69
[1] **biography** 923.3
    econ. history 330.92
[1] **Economites Harmonists** 286.7
Economizers, feedwater
  steam engineering 621.1972
Economy
  classroom teaching 371.3
  domestic 640
  ethics 174
  political 330
  students' univ. & col. 378.368
  wealth consumption 339.43
Ecorchés art anatomy 743.47
Ecstasy psychology 132.5
Ectenic force hypnotism 134.0162
Ectocarpales botany 589.457
Ectoderm embryology 611.01338

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Ectodermic organs
embryology 611.0135
Ectolechiaceae botany 589.171
Ectopic gestation
obstetrics 618.31
Ectoplasms spiritism 133.923
see also Protoplasm
Ectopy anatomy 611.0128
botany 581.223
somatology 573.9
surgery 617.38
zoology 591.2
Ectosporeae botany 589.2931
Ectozoan parasites pathol. 616.968
Ecuador history 986
Ecumenic councils
ecclesiastic polity 262.5
religious history 270
Eczema pathology 616.52
Edam cheese dairy indus. 637.3543
Edaphic
communities veget. ecol. 581.55522
factors " " 581.52222
Eddas Norse literature 839.6
Eddy currents
electric eng. 621.311
electricity 537.6
Edea history 967.12
Edelweiss (Inulaceae) bot. 583.5542
Edema physiology 612.381
Eden
see Paradise, earthly
grape viticulture 634.848109
Edenburg history 968.59
Edentata mammalogy 599.31
Edgar co., Ill history 977.369
Edge corporations
int'l banking 332.15
Edgecombe co., NC hist. 975.646
Edgefield co., SC " 975.737
Edgeworth, Maria
English fiction 823.72
Edging
photographic prints 770.2849
planting lands. art 715.165
plants floriculture 635.963
Edible
flowers, leaves & stems
garden crops 635.3
fruits
& seeds garden crops 635.6
fruitculture 634
plants landscape art 715.1734
Edible (cont.)
roots, tubers, etc.
garden crops 635.1-.2
Edinburgh history 941.445
Edison
electric transmission
engineering 621.319123
system
incandescent lighting 621.3262
Editions
de luxe rare books 094.3
first " " 094.4
large paper " " 094.3
limited book rarities 094
miniature " curiosa 099.1
newspaper journalism 070.327-.328
selection of lib. econ. 028.2
special journalism 070.47
Editorial work
literary methods 029.6
journalism 070.4
Edmonson co., Ky hist. 976.975
Edmund, G F, polygamy act
1882 US history 973.84
Edo history 952.1351
period Jap. hist. 952.025
Edom history, ancient 939.46
Education 370
admin. regulation 351.85
adult, *see* Adult education
aim of 370.1
and birth rate demog. 312.1
church sociology 377.8
theology 261.5
crime pub. schools 379.21
sociology 364.254
non-Chr. relig. sociol. 377.9
religion 377
sex 376
[1] **state** 379
classical curriculum 375.88
compulsory 379.23
consumer polit. econ. 339.47
cost to public 379.11
cross- psychology
of learning 154.47
demography 312.9
department journalism 070.4493
elementary 372
in China 372.951
Germany 372.943
Venezuela 372.987
etc.
see also Schools, primary; Kindergartens; Grammar schools

Education (cont.)
ethical 377.2
for leisure 370.1
higher **378**
in Ireland 378.415
Massachusetts 378.744
Switzerland 378.494
etc.
see also Universities and colleges
home, and library 021.4
in Belgium 370.9493
Europe **370.94**
Phrygia 370.93926
United States **370.973**
etc.
industrial
economics 331.86
[1] **useful arts** **607**
vocational guidance **371.426**
liberal curriculum **375.007**
local support of 379.13
medical pub. health 614.21
useful arts 610.7
of illiterates pub. schools **379.2**
infants **372.2**
special classes **371.9**
types **371.97**
women **376**
customs & manners 396.4
in Austria 376.9436
Guatemala 376.97281
Italy 376.945
etc.
parochial religion 257
physical hygiene **613.7**
school hyg. **371.73**
preschool **372.2**
private, vs school 373.11
[1] **public** **379**
admin. regulation 351.851
city planning 711.13
in Brazil 379.81
Norway 379.481
Ohio 379.771
etc.
state depts 379.152
see also Schools, pub.
religious, *see* Religious educ.
rural pub. schools 379.173
safety economics 331.823

Education (cont.)
[1] **2dary** **373**
for women 376.63
in Cuba 373.7291
Japan 373.52
Orange Free State 373.685
etc.
public **379.17**
see also Highschools
self- **374**
suffrage requisites 324.14
superintendent of, loc. **379.153**
state 379.152
systems of **371.4**
technical
economics 331.86
[1] **useful arts** **607**
vocational guidance **371.426**
US Office of 379.73
vocational, *see* Vocational education
workmen's econ. equip. 331.114
in other specific fields
[2] see subject —07
see also Schools
Educational
annuals, catalogs, directories, etc. 370.58
bldgs architecture **727**
centers city planning 711.47
zoning 711.57
foundations univ. & col. 378.31
functions of museums **069.1**
guidance **371.42**
institutional bldgs
city planning 711.666
instit. tax exemption 336.294
measurements schools 371.26
elem. **372.102**
methods elem. schools 372.077
kindergarten **372.21**
pedagogy **371**
2dary educ.. 373.077
teaching **371.3**
univ. & col. 378.077
objectivs 370.11
policy forestry 634.92512
psychology pedagogy **370.15**
research 370.78
sermons homiletics 252.5
sociology 370.193
tests immig. limit. 325.154
schools 371.26

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Educators 370.69
[1] **biography** 923.7
hist. of education 370.92
Edward 1 Eng. history 942.035
2 " " 942.036
3 " " 942.037
4 " " 942.044
5 " " 942.045
6 " " 942.053
7 " " 942.082
8 " " 942.084
Edwards, Jonathan philos. 191.1
Edwards
county, Ill history 977.3791
Kan " 978.178
Ferry, Va, battle, 1861
US Civil war 973.7318
Eel-grass
(Hydrales) bot. 584.11
(Potamogetonaceae) " 584.742
Eels (Anguilla) ichthyol. 597.5
Effacing machines
manufactures 681.6264
office economy 651.26
fittings 651.4653
Effect theory of voluntary
attention psychology 152.7233433
Effectiveness, increasing
office economy 651.45
Effen, Justus van
Dutch essays 839.3144
Efficiency
and school courses
curriculum 375.0072
business methods 658.01
office administration 651.4
personal, and lit. meth. 029
Effigies, monumental
cemeteries 718.66
mortuary architecture 726.82
sculpture 731.76
Effingham co., Ga hist. 975.872
Ill " 977.3796
Efflorescence chemistry 541.39
Effluviographs
phot. sensitometry 771.5345
photography 778.34
Effluvium nuisances
indus. sanitation 628.52
Efflux hydraulics 532.56
Effort
and accomplishment
psychology of will 159.24
directing office econ. 651.45
Effort (cont.)
in choice, feeling of
psychology of will 159.1243
sensations physiology 612.885
psychology 152.673523
Egg
cells anim. embryology 591.3
veget. " 581.3265
laying zootechny 636.08246
spore fungi (Oomycetes)
botany 589.251
yield
feeding for zootech. 636.08452
raising " " 636.0883
Eggleston, Edward
American fiction 813.42
Eggplant (Solanaceae)
garden crops 635.646
Eggs
and nutrition physiol. 612.39283
as food dom. economy 641.12
hygiene 613.28
cookery 641.665
Easter folklore 398.33212
ornithology 598.2
painting medium 751.242
poultry farming 636.513
Eglantine, P F N Fabre d'
French drama 842.64
Egmont islands history 969.7
Ego
instincts psychoanal. 131.34122
psychoanalysis 131.3414
psychol. of personality 153.72
Egoism ethics 171.9
Egypt
campaign, 1914 Eur. w. 940.4234
1915 " " 940.4266
1916 " " 940.4296
flight into Christol. 232.926
history 962
ancient 932
Ill history 977.399
Egyptian
archi. styles, ancient 722.2
early Chr. 723.123
Moham. 723.31
corn (Andropogoneae)
field crops 633.178
goat (Bovidae) dom. anim. 636.39862
goose (Anseres) agric. 636.59887
[4] **old, language** 493.1
philosophers 181.2
religion comp. theol. 299.31

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Egyptian (cont.)
sheep (Bovidae)
dom. anim. 636.386
Sudan history 962.4
Egyptology antiquities 913.32
Ehime history 952.38
Ehkili language 49^.97
literature 892.9
Ehrensvärd, T C Gyllembourg- Danish fiction 839.81361
Ehretioideae (Boraginaceae)
botany 583.77
Eichendorff, Joseph
German poetry 831.72
Eiderstedt sheep (Bovidae)
domestic animals 636.3314
Eidetic images psychology 155.238
Eikonogen printing
processes photography 773.53
Eikronometers photography 771.41
Eilschov, F C Dan. lit. 839.81843
Einstein theory astronomy 521.12
physics 530.1
Einthoven galvanometer
radio recording device 621.3841365
measurements 621.384175
Eire history 941.5
Eisteddfod festivals music 784.5
Ejaculatory ducts anat. . 611.635
Ejectment private law 347.2
Ejectors mechanical eng. 621.69
Elachistaceae botany 589.457
Elaeagnaceae " 583.935
Elaeocarpineae " 583.192
Elaphomycetaceae " 589.238
Elasmobranchii ichthyology 597.3
Elastic
fabrics textile mfg 677.55
tissue histology 611.01827
Elasticity
in plants botany 581.1823
physics 539.3
tests eng. materials 620.1123
Elastin
physiol. of nutrition 612.398146
Elateridae (Sternoxia)
agricultural pests 632.765
Elatinaceae botany 583.161
[4] **Elbe Slavonic language** 491.89
Elbert co., Colo history 978.887
Ga " 975.816
Mt, Colo descr. 917.8846
Elbing grape viticulture 634.8543
Elbingen sheep (Bovidae)
domestic animals 636.3317
Elbow anatomy, regional 611.973
joint anatomy 611.7273
El Caney, Cuba, battle
1898 US history 973.893
Elci, A M d' Italian wit 857.66
El Cid Campeador Sp. lit. 861.12
Eldad and Modad
pseudepigrapha 229.913
Eldama ravine history 967.63
Elder (Caprifoliaceae) bot. 583.511
Elderberry (Caprifoliaceae)
fruitculture 634.747
Elders eccles. polity 262.15
Eldorado, city, Kan. hist. 978.1881
co., Calif. " 979.441
folklore 398.3
grape vitic. 634.847
Eleatic philosophers 182.3
Election
districts
, legis. representation 328.3345
frauds suffrage 324.27
of legislators
political science 328.3355
procedure suffrage 324.24
results " 324.26
sermons homiletics 252.6
soteriology 234.9
Elections
contested legislature 328.3358
suffrage 324.277
legislative jurisdiction 328.342
municipal local gov't 352.004
papal eccles. polity 262.135
[1] **popular suffrage** 324
special legislature 328.3357
Elective
franchise suffrage 324
system curriculum 375.004
college suffrage 324.249
credentials " 324.243
lists " 324.241
system polit. sci. 321.8
suffrage 324.21
Electors instructions
legislative restrictions 328.349
Electra complex psychoanal. 131.34123
Electric
action and osmosis
mesology 612.0144624
animals physiology 612.771
bells signals 654.7
boats shipbuilding 623.823
cables manufactures 677.72–.73
clocks " 681.116

Electric (cont.)
code, national
electric lighting 621.3281
communication apparatus
manufactures 681.63
communications eng. 621.38
conductibility
physiology 612.014422
of skin 612.795
currents physics 537.6
engineering 621.3
forestry 634.9348
engines motor vehicles 629.2515
equipment
aircraft 629.1354
and safety pub. health 614.836
furnace physics 537.85
heating bldg industry 697.7
practical chem. 542.47
ignition motor vehicles 629.2544
irritation of nerves
physiology 612.8161
light phot. fine arts 771.447
lighting domestic econ. 644.315
engineering 621.32
physics 537.83
stations eng. 621.3122
see also Arc lighting, Incandescent lighting, Vapor lighting
machinery
details & parts eng. 621.316
engineering 621.313
mfg processes in eng. 621.318
manipulations
practical chemistry 542.8
measurements eng. 621.37
physics 537.7
measuring of heat
thermology 536.53
meth. quantitative anal. 545.3
organs anatomy 611.739
animal morphol. 591.44
phenomena of muscles
phsyiology 612.743
physiology 612.014423
plant shipbuilding 623.85
power
lines city planning 711.83
stations architecture 725.198
storage of eng. 621.35
transmission " 621.319
physics 537.84
railways engineering 621.33
resistance physiology 612.014422
of skin 612.795

Electric (cont.)
sense physiology 612.885
psychology 152.673528
shock surgery 617.12
signals physics 537.88
signs advertizing 659.136
storms magnetism 538.7
meteorology 551.55
stoves kitchen equip. 643.336
synthesis chemistry 545.97
traction stations eng. 621.3123
tractors agriculture 631.3723
trains mechanical toys 681.154
transmission writing
machine manufactures 681.6112
transport logging 634.98253
wiring, *see* Wiring
Electricity
action on organisms
physiology 612.014424
agricultural power 631.3717
and growth botany 581.134154
health hygiene 613.16
muscular irritability
physiology 612.74163
animal hypnotism 134.0162
physiology 612.014423
application of eng. 621.39
applied physics 537.8
atmospheric " 537.4
chemic electric eng. 621.35
cooking by dom. econ. 641.586
domestic heating 644.26
dynamic physics 537.5
effect on plants bot. 581.52224
frictional physics 537.2
generation of eng. 621.31
physics 537
protective anim. ecol. 591.57
veget. " 581.5735
secretory botany 581.144
zoology 591.144
storage of physics 537.84
tables, problems, etc.
physics 537.9
therapeutic physics 537.87
Electrification, railway
and street traffic
city planning 711.751
Electro-
acoustics engineering 621.381
analysis, qualitative 544.9
quantitative 545.3
ballistic mach. gunnery 623.5

Electro- (cont.)
biology 577
hypnotism 134.0162
cardiography diagnosis 616.0751
chemic syst., automatic telegraphy 621.38241
chemistry science 541.37
chronograph astronomy 522.52
culture agriculture 631.5881
diagnosis pathology 616.0757
dialysis prac. chem. 542.8
dynamics physics 537.6
dynamometer radio 621.384175
kinetics physics 537.5
magnetic theory of radio waves eng. 621.38411015383
magnestism physics 538.3
metallurgy 669
physics 537.85
meters electrostatics 537.25
engineering 621.3743
motive force chem. elec. 621.351
motors engineering 621.313
physics 537.83
muscular phenomena physiology of nerves 612.813
phototypy fine arts 777.4
physiology 612.01442
biology 577
hypnotism 134.0162
plating metal mfg 671
museum meth. 069.414
physics 537.85
static apparatus eng. 621.315
voltmeters radio 621.384176
statics physics 537.2
therapy 615.84
physiology 612.014428
tonus physiology 612.0144233
of nerves 612.8133
tropism botany 581.18325
type duplication materials for phot. 771.43
typing printing 655.22
Electrocution
criminal law 343.2
physiology 612.014425
Electrodes voltaic cells 621.3522
Electroliers city plan. 711.68
Electrolysis
electric track 621.333167
qualitative analysis 544.9
quantitative " 545.3
Electrolytes
radio materials 621.3841792
voltaic cells 621.3524
Electrolytic
analysis
see Electrolysis
detectors
radio reception 621.38413623
processes prac. chem. 542.8
Electron
emission radio tubes 621.38413218
theoretic chemistry 541.2
tube radio measurements 621.38417122
system radio 621.3841534
voltmeters " 621.384176
tubes radio 621.384132
use of radio eng. 621.3841322
Electrosote
radio insulating material 621.38417910197
Electrum
coinage metals 332.418
coins numismatics 737.42
Eleemosynary institutions public charity 362
Elegiac poetry
Greek classics 884
Latin literature 874
literature American 811.04
English 821.04
3 other —104
rhetoric 808.14
Elemental destruction agriculture 632.1
danger of lib. bldgs 022.29
Elementary
education
see Education, elem.
school libraries library economy 027.8222
schools
see Schools, elem.
Elements
chemic
see Chemic elements
metallic chemistry 546.3
native mineralogy 549.2
nonmetallic chemistry 546.1
viewpoint
in specific fields
2 see subject —002
voltaic cells 621.3522
worship of comp. relig. 291.212
Elephant stables archi. 728.947
Elephantine history 962.36
Elephant's-foot
(Dioscoreaceae) bot. 584.27
(Vernoniaceae) " 583.5545

Elephants (Proboscidea)
domestic animals 636.9
Eleusinian mysteries
Greek mythology 292
Elevated
railway stations archi. 725.318
railways city planning 711.752
commerce 385.63
engineering 625.4
loc. transit 388.4
ways public health 614.782
Elevation
aeronautics 629.13243
architectural design 729.1
effect
radio transmission 621.38411553
library buildings 022.341
meteorology 551.53
therapeutics 615.835
Elevator apparatus
mechanical engineering 621.8778
Elevators
aircraft construction 629.13433
architectural design 729.391
plans 729.25
commodity architecture 725.36
hydraulic mech. eng. 621.263
library buildings 022.95
mechanical engineering 621.877
mining 622.68
school buildings 371.629
see also Lifts
Elfin wood veget. ecol. 581.5264263
Elgin, city, Ill history 977.323
co., Ont " 971.334
Scot. " 941.23
marbles sculpture 733.385
El Hasa history 953.6
Hodh " 966.15
Elian philosophers 183.7
Elias, Apocalypse of
pseudepigrapha 229.913
books pseudepigrapha 229.915
Eliesen, Povl Dan. lit. 839.81822
Eligibility to office
political science 323.68
Eligulate lycopodiales bot. 587.92
Elijah, *see* Elias
Elimination algebra 512.85
students 371.2913
Eliot, George, *pseud.*
English fiction 823.88
Elis history, ancient 938.8
Elixir of life alchemy 540.1
Elizabeth, Queen
English history 942.055
Elizabeth, city, NJ hist. 974.937
Elizabeth City, NC hist. 975.6141
co., Va
history 975.541
Elizabethan
architecture 724.142055
revival 724.4
furniture fine arts 749.221
persecutions ch. hist. 272.7
Elk
county, Kan history 978.1915
Pa " 974.865
Head Mts, Colo descr. 917.8812
Mts, " " 917.8841
River valley, WVa hist. 975.464
Elkhart co., Ind history 977.281
Elkhorn
River area, Neb hist. 978.25
tavern, Ark, battle, 1862
US Civil war 973.7323
Elliot history 968.651
Elliotdale " 968.659
Elliott co., Ky " 976.9255
Ellipse geometry 513.23
Cartesian 516.23
Ellipsis English syntax 425.3
[3] other lang. —53
Ellipsograph
mechanical drawing 744.3
Ellipsoid
geometry, Cartesian 516.43
Ellipsoidal figure
and axes geodesy 526.16
Ellipsoids, potentials of
geodesy 526.11
Elliptic
arches architecture 721.423
domes arched constr'n 721.47
functions calculus 517.36
Ellipticity, law of geod. 526.13
Ellis co., Kan history 978.119
Okla " 976.6155
Ellsworth co., Kan " 978.1535
Elm (Ulmaceae) forestry 634.9728
Elmira, NY history 974.779
Elmore co., Ala " 976.152
Ida " 979.629
Elocution oratory 808.5
singing technic 784.9
Eloquence, *see* Oratory
Elotheriidae mammalogy 599.7346
paleozoology 569.7346
El Paso co., Colo hist. 978.856

Elsass-Lothringen
see Alsace-Lorraine
Elu language 491.487
literature 891.48
Elves folklore 398.4
Elvira grape viticulture 634.843209
El Wustani history 962.2
Elzevir editions
rare books 094.1
Emanation
effects
phot. sensitometry 771.5345
metaphysics 129.5
of substance spiritism 133.923
Emancipation
of slaves polit. sci. 326.8
woman sociology 396.1
proclamation, 1863
US history 973.714
Emanuel co., Ga history 975.8684
Emasculation, *see* Castration
Embalming burial customs 393.3
public health 614.64
Embankments
agricultural reclamation 631.64
hydraulic engineering 627.4
landscape art 717.73–.74
Embargo act, 1807 US hist. 973.48
martial law 344
Embargoes
export tariff 337.33
import " 337.34
transit " 337.35
Embarkation
military maneuvers 355.53
tactics 355.422
Embassies architecture 725.178
political science 327
Embellishment music 781.67
Emblematic art fine arts 704.946
Emblems
ecclesiology 246
military decorations 355.134
national heraldry 929.8
semantic philology 419.2
writing methods 652
Emblingioideae
(Capparidaceae) bot. 583.131
Embolism, pulmonary
pathology 616.247
Embossed
character writing mach.
manufactures 681.6131
printing typography 655.38
Embossers textile equip. 677.02854
Embossing
photographic apparatus 771.45
prints 770.2847
systems, automatic
telegraphy 621.38244
textile process 677.02824
see also special fibers
Embrithopoda mammalogy 599.625
paleozoology 569.625
Embroidered damask
special fabrics 677.61
Embroidery
fancywork 746.44
industry 677.77
twist manufactures 677.02862
see also special fibers
Embryo
anatomy botany 581.332
and prenatal influences
physiology 612.64
deformation botany 581.2267
development
abnormal
anatomy 611.012
hygiene of progeny 613.91
somatology 573.9
surgery 617.3
arrested botany 581.2277
biology 574.33
botany 581.33
zoology 591.33
displacement
vegetable teratology 581.2237
division, abnormal bot. 581.2227
form, external anat. 611.0137
hypertrophy botany 581.2287
metamorphosis
abnormal botany 581.22437
physiology 612.646
sacs botany 581.3252
Embryologic variation bot. 581.1512
Embryology
botany 581.3
comparative biology 574.3
experimental 611.0139
human anatomy 611.013
of bees apiculture 638.1213
physiology 612.64
zoology 591.3
Embryonic
appendages physiology 612.649
circulation " 612.179
image phot. chemistry 771.535
tissues botany 581.3322
Embryophyta
asiphonogama botany 587–588
siphonogama " 582
zoidiogama " 587–588

Embryos, abnormal union of
vegetable teratology 581.2217
Embryotomy obstetrics 618.83
Embu history 967.64
Emden, cruiser Eur. war 940.454
goose (Anseres) agric. 636.5983
Emergences veget. morphol. 581.4782
Emergencies surgery 617.1
Emergency
help domestic economy 647.29
labor economics 331.64
powers, war mil. sci. 355.28
Emerson, R W
American essays 814.36
philosopher 191.3
Emery geology, economic 553.65
wheels mach. tools 621.923
Emetics physiology 612.3278
therapeutics 615.731
Emf, *see* Electromotive force
Emigrants
abuses of polit. sci. 325.216
from Armenia 325.2566
China 325.251
Italy 325.245
etc.
protection polit. sci. 325.216
see also Aliens, Immigrants
Emigration
agencies polit. sci. 325.2065
bureaus " " 325.2061
control
crime prevention 364.42
[1] **political science** 325.2
regulation and control
political science 325.215
restriction polit. sci. 325.215
Emilia history 945.4
Eminent domain
city planning 711.172
political economy 333.13
private law 347.2
public finance 336.18
Emissary vein anatomy 611.14513
Emmental cheese
dairy industry 637.3543
Emmet co., Ia history 977.7125
Mich " 977.488
Neb " 978.259
Emollients
external medicines 615.776
internal " 615.735
Emotion and
attention psychology 152.72313
desire " 157.01643
Emotional
complexes and reproduction
psychology of memory 154.3345
expression physiognomy 138
psychology 157.2
psycopathy " 132.222
states " 157.1
telepathy " 133.8224
theories of will " 159.0165
Emotions
and advertizing bus. 659.10115
comparative religion 291.12
expression of
principles psychol. 157.21
pathology of psychology 157.7
physiology of brain 612.82133
psychology 157
recognition of psychol. 157.23
social psychology 301.1517
tests of " 157.8
measurements 151.2234
uncontrolled psychology 157.4
varieties of " 157.3
Empedocles philosopher 182.5
Empennage
aircraft construction 629.13431
Emperor
[1] foreign government 354
German " 354.43033
grape viticulture 634.849
[1] **Emperors biography** 923.1
Empetrineae botany 583.984
Emphasis
architectural elevations 729.17
plans 729.27
Emphysema, pulmonary
pathology 616.248
Empire
architecture 724.24405
French, 1st history 944.05
2d " 944.07
furniture fine arts 749.244
German central gov't 354.4303
political science 321.03
state grape viticulture 634.843209
(NY) history 974.7
of the South (Ga)
history 975.8
Empiric
formulas, chemistry
see Chemic formulas
medicines
see Patent medicines
Empiricism
in medicine pub. health 614.26
philosophy 144

Employe stock ownership
economics 331.17
Employers
and employees economics 331.1
ethics 174.8
associations production 338.062
influence
crime prevention 364.48
liability economics 331.825
insur. econ. 331.2544[1]
methods labor disputes 331.894
Employes
and middlemen wages 331.23
associations economics 331.88
bonus for wages 331.22
classes of economics 331.7
city, gov't, etc. " 331.795
department organization
labor economics 331.1244
domestic economy 647.2
dress economics 331.14
library economy 023.95
office " 651.445
ethics economics 331.14
library economy 023.9
office " 651.44
grades of office econ. 651.37
office records 651.66
legislative bodies 328.362
occasional dom. econ. 647.29
office personnel 651.374
records labor economics 331.123
office files 651.66
remuneration of econ. 331.2
rules for " 331.14
library " 023.9
office " 651.44
training of " " 651.455
welfare library " 023.8
museum " 069.648
see also Labor, Workmen
Employment
bureaus domestic econ. 647.2
labor demand 331.1151
supply 331.112
teachers' educ. 371.145
univ. & col. 378.364
business management 658.3
irregular labor econ. 331.137
of children economics 331.3
women " 331.4
sociology 396.5
workmen economics 331.11
seasonal labor " 331.137
Employment (cont.)
stability and taxation
public finance 336.295
student education 371.226
univ. & col. 378.365
Emporia, Kan history 978.1621
[1] **Empresses biography 923.1**
Emtonjaneni history 968.31
Emu (Casuariidae) ornithol. 598.53
Emulation ethics 179
school incentive 371.53
Emulsion processes, silver
photography 772.15
Emulsions
chemistry of solutes 541.3452
nonsensitive phot. chem. 771.58
sensitive
photographic
chemistry 771.543
physical aspects 771.533
manufactures 770.2812
Enallage English syntax 425.2
[3] other lang. —52
Enamel
chemic technology 666.2
ecclesiology 247.4
motor vehicle finish 629.268
materials 629.23237
photographic fine arts 773.6
processes, photorelief 777.2
surfaces painting, art 751.2262
Enameled ware pottery 738.34
Enameling
apparatus manufactures 681.3
ceramics 738.14
metal arts 739.15
photographic apparatus 771.45
prints 770.2846
Enamels archi. decoration 729.65
ceramics 738.4
Enantioblastae botany 584.81
Enarthrosis anatomy 611.72963
Enations botany 581.2263
Encalyptineae " 588.21462
Encampment mil. tactics 355.412
Encaustic
colors painting 751.236
decoration fine arts 747.32
painting " " 751.46
paste photography 771.45
Encephalitis
lethargica pathology 616.92
pathology 616.83
Encephalon anatomy 611.81
Encina, Juan del Sp. drama 862.21

Enclosure
movement land economics 333.31
see also Inclosures
Encoeliaceae botany 589.457
Encouragement, means of
in specific fields
[2] see subject —079
Encyclic letters
ecclesiastic polity 262.8
Encyclopedias, general 030
in specific fields
[2] see subject —03
Encyclopedists
apologetics against
doctrinal theology 239.6
biography 920.3
Encystment veget. phenology 581.5436
End organs psychology 131.215
Endbrain anatomy 611.813
Endemann anilin process
photography 773.53
[1] **Endemics public health** 614.42
Endemism floristics 581.5274
Endive (Cichoriaceae)
garden crops 635.55
Endless film
cameras photography 778.5343
projection " 778.5543
Endocardium anatomy 611.126
Endocrinism psychology 150.1942
Endocrinology physiology 612.4
Endoderm embryology 611.01337
Endodermic organs
embryology 611.0134
Endodyne receiving sets
radio 621.3841366233
Endogamy
matrimonial customs 392.5
Endogonineae botany 589.283
Endolymph physiology 612.8586
psychology 152.286
Endometrium anatomy 611.662
Endomycetaceae botany 589.2362
Endoneurium histology 611.018835
Endophyllaceae botany 589.225
Endosmose
chemistry of solutes 541.341
of gases physics 533.1
liquids " 532.7
Endosperm seed anatomy 581.46723
Endosporeae botany 589.2932
Endothelia histology 611.01874
Endothermic reactions
thermochemistry 541.36
Endowed vs public schools 379.3
Endowment
life insurance 368.3
public school support 379.13
Endowments
higher education 378.31
private law 347.6
student school tuition 371.222
Endurance tests mot. veh. 629.2824
Enemata, nutritive hyg. 613.23
Enemy aliens mil. science 355.23
war prisons 365.45
Energesis botanic chem. 581.1931
Energetics thermochemistry 541.36
thermodynamics 536.7
Energiatypes photography 772.13
Energic view psychoanalysis 131.3464
Energism philosophy 146
Energy
and matter cosmology 118.2
conservation of physics 531.6
cosmology 118
sensations physiology 612.885
psychology 152.6739
solar astronomy 523.72
steam engineering 621.101
vital physiology 612.0137
Enfarine grape viticulture 634.8544
Enfeeblement
post-traumatic mental
medicine 616.898133
psychology 132.198133
Engcobo history 968.655
Engine
and coach wagon
locomotive engineering 621.1328
compartment
aircraft construction 629.13433
driven vessels shipbldg 623.823
equipment aircraft 629.1353
houses, fire archi. 725.191
mountings
motor vehicle frames 629.2426
types steam engineering 621.112
Engineering
agricultural 631.6–.7
automotive 629.1
chemic 660
civil 620
electric 621.3
establishments mil. sci. 355.74
forestry 634.93
illuminating 628.9
locomotive 621.13

Engineering (cont.)
materials 620.1
mechanical 621
metallurgic 669
military 623
municipal loc. gov't 352.5
naval 623.8
sanitary 628
topographic surveying 526.9
works 621.7
Engineers 620.69
biography 926.2
chemic 660.69
biography 926.6
metallurgic 669.069
biography 926.69
military science 358.2
naval " 359.982
textile 677.069
biography 926.77
Engines
agricultural power 631.371
automatic shaft-governor
steam engineering 621.1643
blowing engineering 621.6
funicular hydraulic
mechanical eng. 621.262
hauling, stationary
steam eng. 621.162
steam eng. 621.14
hydraulic mech. eng. 621.25
physics 532.82
locomotive steam eng. 621.134
marine " " 621.12
mechanical eng. 621
motor vehicles 629.25
portable steam eng. 621.15
pumping mech. " 621.64
rotary steam " 621.166
semistationary " " 621.159
solar mechanical " 621.47
stationary
compound steam eng. 621.1647
steam engineering 621.16
throttling steam eng. 621.1642
England
bank of financial econ. 332.110942
Church of
see Protestant Epis. church
conquest of Scan. hist. 948.02
history 942
see also Great Britain
English
basic philology 428.25
discoverers Amer. hist. 973.17
English (cont.)
game fowls (Gallinae)
agriculture 636.58812
horn wood instrument 788.7
[4] **language** 420
American 427.9
for foreigners philology 428.24
[3] other lang. —824
[4] **middle** 427.02
office correspondence 651.74
[4] **old** 427.01
school books for learning 428
[3] other lang. —8
laws & statutes jurispr. 346
literature 820
of continental Europe 828.99499
outside Europe & America 828.995–.999
regional 828.99
philosophers 192
thoroughbred horse
(Equidae) dom. anim. 636.122
walnut (Juglandaceae)
nuciculture 634.511
see also British
Engravers 760.69
biography 927.6
Engraving
carving 736
fine arts 760
instruments fine arts 760.78
mechanical " " 768
music publication 781.981
photomechanical phot. 777
Engravings.
collecting fine arts 769.1
fine arts 769
library acquisition 025.297
administration 025.177
cases for 022.485
preservation 025.8
museum economy 069.476
Engrossing clerk
legislative bodies 328.3623
Enharmonic organ
music instrument 786.9
Enid, Okla history 976.6281
Enigmas games 793.73
Enlargements
abnormal botany 581.228
hydraulics 532.55
Enlarging
cameras photography 771.318
photography 778.13

Enlarging (cont.)
rooms photography 771.27
studios 771.12
Enlisted men mil. science 355.338
Enlistment " " 355.22
Ennius, Quintus Lat. drama 872.4
Enoch, Book of
pseudepigrapha 229 913
Enotrio, Romano, *pseud.*
Italian poetry 851.84
Enrolling clerk
legislative bodies 328.3623
Enrolment school admin. **371.21**
Enshu history 952.1667
Ensiform cartilage anat. 611.713
Ensigns heraldry 929.9
Ensilage crops agric. **633.3**
cutters " 631.363
zootechny 636.08552
Entablatures
architectural design **729.317**
carved archi. dec. 729.56
painted " " 729.46
wall construction **721.27**
Entail land economics 333.35
private law 347.2
Entasis columnar design 729.321
Entebbe history 967.611
Entelodontidae mammal. 599.7346
paleozool. 569.7346
Entelonychia mammalogy 599.64
paleozool. 569.64
Entente European war 940.332
Enteric fever
see Typhoid fever
Enteridiales (Endosporeae)
botany 589.2932
Enterokinase physiology 612.33284
Enteropneusta zoology 593.99
Enterprise and Boxer, ships
War of 1812 973.5253
production **338.7**
Enterprises, forms of bus. **658.114**
Entertaining dom. econ. **642.4**
Entertainment licenses
local government 352.8
Entertainments
advertizing devices 659.138
ethics **175**
in prisons sociology 365.665
library 021.45
parochial religion 259
private charity 361.73
recreation **793 2**
Entertainments (cont.)
public recreation **791**
seasonal " 793.22
structures for lands. art 717.686
Enthronement soc. customs 394.43
Enthusiasm
psychology of emotions 157.3
religious revivals 269
Enthymeme logic 166
Entiat Range, Wash hist. 979.759
Entity, nat'l polit. sci. **320.15**
Entodontaceae botany 588.21511
Entomology **595.7**
Entomophaga entomology 595.792
Entomophily botany **581.1662567**
Entomophthorales " 589.282
Entomostraca zoology **595.31**
Entoprocta " 594.74
Entoptic phenomena
physiology 612.8434
psychology 152.134
Entozoa zoology **595.1**
Entozoan parasites pathol. **616.962**
Entr'actes music form 781.5086
Entrance
halls church archi. 726.591
requirements educ. **371.21**
Entrances cemeteries 718.63
garden compos. 712.6243
private estates 712.64148
Entre Minho-e-Douro hist. 946.91
Entrées cookery 641.82
Entrepôt ports commerce **387.132**
rights tariff 337.87
Entrepreneurship
production **338.7**
Entries, joyful
social customs 394.44
Entropy steam engineering 621.1011
thermodynamics 536.7
Enunciation oratory 808.5
philology 411.5–.6
Envallsson, C M
Swedish drama 839.7254
Envelope aircraft constr'n 629.13431
Envelopes office econ. 651.718
Environment
and celibacy demography 312.5
ecologic anat. bot. **581.52254**
food rationing
physiology 612.3955
growth botany **581.13415**
man somatology 573.4
marriage demography 312.5

Environment (cont.)
and medicines therap. 615.56
mortality
demography 312.2
public health 614.145
animal ecology 591.52
biology 575.32
cultural, and crime
sociology 364.254
economic, and crime
sociology 364.26
forest ecology 634.946
influence
differential psychology 136.2
psychology of genius 151.17
office economy 651.1–.2
physical, and crime
sociology 364.22
plants effects on bot. 581.5223
social, and crime
sociology 364.253
vegetable ecology 581.52
Environmental studies
criminology 364.3018
Envoys political science 327
Envy ethics 179.8
Enyu Japanese history 952.01625
Enzyms botanic chem. 581.193
physiol. " 612.0151
Eocene period geology 551.781
Eolian harp music 787.5
piano manufactures 681.831
music 789.9
Eolic Greek language 487.921
literature 889
Eolithic age archeology 571.1
Eozoic rocks geology 551.71
Epacridaceae botany 583.64
Epencephalon. anatomy 611.817
Ependyma " 611.828
histology 611.01884
Epervier and Peacock
ships War of 1812 973.5255
Ephebaceae botany 589.171
Ephedraceae " 585.13
Ephemeraceae " 588.21442
Ephemeral phot. fine arts 778.8
Ephemeridae entomology 595.734
Ephemerides astronomy 528
Ephemeris making " 528.9
Ephesians, epistle to 227.5
Ephesus ecumenic council
437 ch. hist. 270.23
history 956.2
ancient 939.23
Epiblast embryology 611.01338
Epiblastic organs embryology 611.0135
Epic
paintings fine arts 753
poetry Greek classics 883
Latin literature 873
literature, Amer. 811.03
Eng. 821.03
[3] other —103
rhetoric 808.13
Epicharmus Greek drama 882.5
Epicoele anatomy 611.8185
Epicotyl botany $5^{P}1.33453$
Epicranial muscles anat. 611.7322
Epicritic sensibility
physiology 612.88
psychology 152.571
Epictetus philosopher 188.7
Epicurism domestic econ. 641.01
Epicurus philosopher 187
Epidemics
aircraft service in 629.138612
and migration
political science 325.13
[1] **hist. of pub. health 614.49**
library closing 024.47
pathology 616
public health 614.5
welfare work in 361.54
Epidermal glands
vegetable morphology 581.446
Epidermis anatomy 611.771
veget. morphol. 581.477
Epidiascopes photography 778.22
Epigastric
artery, inferior anat. 611.13781
superior " 611.1345
plexus anatomy 611.83931
region " 611.951
Epigenesis biology 576.1
Epigloeaceae botany 589.16
Epiglottis anatomy 611.221
physiology 612.7825
Epigoniantheae botany 588.311
Epigrams literature, Amer. 818
Eng. 828
[3] other —8
Epigynae botany 584.2
Epilepsy
alcoholic medicine 616.898125
psychology 132.198125
cortical pathology 616.83
physiology 612.8253
medicine 616.853
psychology 132.153

Topics in black face type are subdivided. Superior figures refer to the tables following this index.

Epileptic mental deficiency
  psychology 132.2444
Epinasty botany 581.1854
Epineurium histology 611.018835
Epiphany
  Christology 232.923
  holiday Cath. ritual 264.021
    Greek " 264.0191
    Prot. Epis. " 264.031
    etc.
Epipharynx anatomy 611.3271
    pathology 616.21
Epiphenomenalism psychol. 130.16323
Epiphysis cerebri anatomy 611.8145
    physiol. 612.8263
Epiphyta floriculture 635.965226
    vegetable ecology 581.52644
  see also specific names; e.g. Orchidaceae, Lichens
Epiploic appendages anat. 611.347
Epiploon anatomy 611.382
Epirus history, ancient 938.2
Epis roof construction 721.562
Episcopal
  charges homiletics 252.1
[1] **church** **283**
  palaces architecture 726.92
Episcopate eccles. polity **262.12**
Episcopes photography 778.22
Epispastics therapeutics 615.774
Epistemology metaphysics 121
Epistle of Baruch
  pseudepigrapha 229.913
Epistles
  Catholic ritual 264.026
  Greek " 264.0196
  Prot. Epis. " 264.036
  etc.
  pseudepigrapha 229.93
  St Paul's **227**
Epistolary writers biog. 928.086
Epistolography rhetoric 808.6
  see also Correspondence, Letters
Epistropheus anatomy 611.7113
Epistyles wall constr'n 721.272
Epitaphs
  genealogy 929.5
  headstone cemeteries 718.66
Epithalamus anatomy 611.8145
Epithelial tissue histol. **611.0187**
Epitheliums, glandular
  physiology 612.409
[3] Epithets English syntax 425.6
Epitomes
  in specific fields
[2] see subject —02
Epitrochlear glands anat. 611.4672
Epitympanic recess " 611.8545
Epizootic dis. vet. med. **619**
    zootech. **636.0896**
Epoophoron anatomy 611.6676
Epsom salts cathartics 615.7322
Equality
  of indiv. polit. sci. 323.41–.42
  social ethics 177.5
Equalization
  legislative representation 328.3345
Equation
  comparative psychology 136.3016
  of center
    computing orbits 521.38
  time chronology 529.1
  personal
    see Personal equation
  solving machines
    manufactures 681.142
    office equipment 651.2644
Equations
  algebraic 512.3
  chemic 541.9
  indeterminate algebra 512.23
  numeric " 512.2
  theory of " 512.82
  trigonometric 514.4
Equator
  inclination of
    astron., terrestrial 525.51
  province, Kongo history **967.53**
Equatorial astron. instr. 522.46
    belt astron. 525.14
Equestrian exercises sports **798**
Equidae mammalogy 599.725
Equilateral arches
  architectural construction 721.422
Equilibrium
  aerostatics 629.1322
  astronomy 521.11
  chemistry 541.39
  hydrostatics 532.2
  mechanics **531.2**
  of rotating spheroid
    geodesy 526.12
  sense
    mental physiology 131.22556
    nerve of
      see Vestibular nerve

Equilibrium (cont.)
sense (cont.)
organs anatomy 611.852
psychology 152.61
physiology 612.886
psychology 152.6736
tests **psychology** 152.6786
Equinoxes
astronomy, terrestrial 525.5
Equipment
and furniture
viewpoint in specific
[2] fields see subject —005
forest administration 634.92826
forestation 634.95613
museum economy 069.3
private, express charges
railways 385.132393
trusts financial econ. 332.312
in other specific fields
[2] see subject —078
Equisetales botany 587.21
Equity of redemption
private law 347.2
private law 347.8
Equivalent projections
cartography 526.85
Equivalents method
psychophysics 152.8234
Equivocation ethics 177.3
Eras chronology 529.2
Erasers
mechanical office econ. 651.26
rubber " supplies 651.4663
steel manufactures 681.6264
office fittings 651.4653
Erbium chemistry 546.65
Erckmann, Emile Fr. fict. 843.85
Erectile tissues and
vasomotors physiology 612.188
Erection physiology 612.612
Erector spinae anatomy 611.7313
Eremascaceae botany 589.2362
Eremosphaeraceae " 589.47522
Erepsin physiology of
intestinal digestion 612.3324
Eretrian philosophers 183.7
Ergography physiology 612.744211
Ergot (Hypocreaceae)
pharmacy 615.329235
stimulants 615.711
uterine medicines 615.766
Eric the Red Amer. hist. 973.13
Ericaceae botany 583.62
Ericales " 583.6
Ericineae " 583.61
Ericson, Leif Amer. hist. 973.13
Erie
canal completion, 1825
US history 973.55
county, NY history 974.796
O " 977.122
Pa " 974.899
Fort, capture, 1814
US history 973.5237
Lake
Can. history 971.33
NY, battle War of 1812 973.5254
Erigena, J S philosopher 189.4
Eriobotrya japonica
(Rosaceae) fruitculture 634.16
Eriocaulaceae botany 584.811
Eriogonoideae
(Polygonaceae) " 585.917
Eritrea history 963.5
Erizzo, Sabastiano
Italian fiction 853.43
Erlenmeyer matrass
practical chemistry 542.231
Ermelo history 968.24
Ermine (Mustelinae)
mammalogy 599.744472
Eros astronomy 523.44
Erosion
aerial geology 551.37
agricultural soil 631.45
and forests agriculture 634.9225
plant succession
botany 581.524323
plants veget. ecol. 581.52232
aqueous geology 551.35
geology 551.3
Erotica ethics 176
Eroticism psychology 132.752
Erpodiaceae botany 588.21535
Errata proofreading 655.25
Erratics geology 551.33
Errhines physiology 612.219
therapeutics 615.726
Error methods psychophys. 152.8233
sources of logic 165
Errors of
observation
math. probabilities 519.6
speech English lang. 428.3
[3] other " —83

Erse
[4] **language Gaelic** 491.63
[4] **languages Gadhelic group** 491.61
Erthrophye physiology 612.1119
Eruptions seismology 551.21
Eruptive fevers pathology 616.911
rocks, ores in
geology, econ. 553.16
Ervum lens (Fabaceae)
garden crops 635.658
Erysibaceae botany 589.2355
Erysipelas pathology 616.942
Erysiphaceae botany 589.2355
Erythrocytes physiology 612.111
Erythronium (Liliaceae) bot. 584.32
Erythrophyl secretion " 581.14444
Erythroxylaceae " 583.212
Erzurum history 956.6
Eur. w., 1916 940.4292
1918 940.4381
Escalators archi. plans 729.25
design 729.391
mech. eng. 621.8676
Escallonioideae botany 583.381
Escambia co., Ala history 976.1265
Fla " **975.999**
Escapements clockwork 681.1124
Escapes, prisoners' sociol. 365.643
Escharotics therapeutics 615.775
Eschatology Christology 232.7
doc. theol. 236
Escheat public finance 336.18
Escurial sheep (Bovidae)
domestic animals 636.361
Escutcheon, *see* Scutcheon
Esdras
Apocrypha 229.1
4th bk pseudepigrapha 229.913
Eshowe history 968.32
Eskimos " 998
Esophageal
artery anatomy 611.1355
nerves of vagus anat. 611.831919
Esophagus anatomy 611.329
pathology 616.32
physiology 612.315
Esoterics philosophy 149.3
Espagnolets
door & window constr'n 721.88
Espalier
training plant culture 631.5463
trees landscape art 715.267
Espaliers plant support 631.3453
Esparto grass (Agrostideae)
cordage manufactures 677.71
fiber crops 633.583
textile manufactures 677.542
Esperanto
[3] **literature** 808.92
[4] **universal language** 408.92
Espionage
diplomatic int'l law 341.7
ethics 172.4
foreign relations 327
law of war 341.3
military science 355.34
Espronceda, José Sp. poet. 861.52
Es-said history 962.3
Essay writing rhetoric 808.4
Essayists biography 928.084
Essays
collections 808.84
general collections 040
literature, Amer. 814
Eng. 824
[3] other —4
history 809.4
[1] **student, univ. & col.** 378
in other specific fields
[2] see subject —04
Essence
abstract ontology 111.33
metaphysics 121
ontology 111.12
Essenism Judaism 296
Essential oils & essences
chemic tech. 668.5
plants agric. 633.8
econ. bot. 581.6485
secretion bot. 581.1442
Essex county, Eng history 942.67
Mass. " 974.45
NJ " **974.931**
NY " 974.753
Ont " **971.331**
Vt " 974.325
Va " 975.534
ship War of 1812 973.5255
swine (Suidae)
dom. anim 636.4211
Esshu history 952.15
Establishments and quarters
viewpoint in specific fields
[2] see subject —006
Estaires fowls (Gallinae)
agriculture 636.547
Estate tax public fin. 336.276

Estates
designed collectively
landscape art 712.646
family law 347.6
legislative representation 328.3344
management of agric. **631.1**
private lands. art **712.64**
social classes **323 3**
Estates-general
see States-general
Estcourt history 968.43
Esters organic chemistry 547.4
Estes Park, Colo descr. 917.8869
Esther
additions to Apocrypha 229.2
canonical books 222.9
Esthesimeters psychophysics 152.82453
Esthesiometry physiology 612.8831
psychology **152.578**
psychometry 152.82625
Esthetic
forestry landscape art 715.241
nat. landscape 719.332
traits personality 137.37
Esthetics
and city planning
civic arts 711.12
forests agric. **634.9236**
fine arts 701.17
landscape design 712.21
psychology of emotions 157.12
in other specific fields
[2] see subject —01
Estill co., Ky history 976.959
Estimates bldg industry 692.5
landscape art 712.35
office files 651.63
Estivation, floral bot. 581.4634
Estonia history 947.4
[4] **Estonian language** **494.545**
Estremadura
Portugal history 946.94
Spain " 946.2
sheep (Bovidae)
dom. anim. 636.361
Estuarine swamps, Ala hist. 976.121
Estuary ports commerce 387.123
Etamine manufactures 677.02864
see also special fabrics
Etaule grape viticulture 634.8544
Etchers 760.69
biography 927.6
Etching
engraving 767.2
on glass f. arts 748.6
photointaglio " " 777.1
photomechanical " " **777**
photorelief " " 777.2
printing plate
phot. apparatus 771.43
solutions phot. chem. 771.55
Etchings engraving 769.672
Etchu history 952.153
Eternity cosmology **115**
doctrinal theol. 237.1
natural " 218
Ether
and light optics 535.1
anesthetics 651.781
astronomy 523.1
physics 530.1
process silk industry 677.461
surgery 617.9
toxicology 615.965
treatment prac. chem. **542.6**
Etherege, George
English drama 822.42
Etheromania ethics 178.8
hygiene 613.85
psychology 132.73
Ethers chemic tech. 668.5
organic chemistry **547.4**
painting solvent 751.247
Ethical
culture, Soc. for ethics 170.62747
education 377.2
philosophy **170.7**
prisons 365.663
Ethics
and cookery dom. econ. 641.564
forests agriculture 634.9234
children's psychology 136 7417
Christian philosophy 171.1
theology 241
employes' economics 331.14
library econ. **023 9**
museum " 069.62
office " **651.44**
in curriculum educ. 375.17
international 172.4
legal 174.3
medical 174.2
of copyright publishing 655.61
political 172.1

Ethics (cont.)
professional 174
sexual 176
social 177
sociology 301.15
students' education 371.81
teachers' " 371.101
in specific fields
[2] see subject —069
Ethiopia history 963
ancient 939.78
Ethiopian
goat (Bovidae) dom. anim. 636.3986
see also Abyssinian
Ethiopic
[1] church 281.7
languages, Hamitic 493.5
[4] Semitic 492.8
text Bible 220.46
Ethmoid bone anatomy 611.7156
Ethnic incongruity genius 151.13
religions 290
Ethnographic basis
of nation polit. sci. 320.121
Ethnography 572
criminal sociology 364.335
Ethnology 572
Ethnologists 572.069
biography 925.72
Ethnopsychology 136.4
Ethology ethics 170
social psychol. 301.15
Ethyl cellulose
silk industry 677.465
Etiology medicine 616.01
Etiquette
ethics 177
military life 355.13
social customs 395
table domestic econ. 642
Etna volcano description 914.58
Eton English school 373.42
Etowah co., Ala history 976.167
Etruria history 945.5
ancient 937.5
Etruscan archi. styles 722.62
language 477.5
literature 879
sculpt. f. arts 733.575
Etta grape viticulture 634.843209
Etudes
artistic piano music 786.47
piano instruction 786.3
Etymology
English language 422
[3] other " —2

Etymology (cont.)
of personal names
genealogy 929.4
philology 412
in specific fields
[2] see subject —0142
see also Inflection
Euascales botany 589.233
Eubacteriales " 589.953
Eubasidii " 589.22
Eubasidiomycetes " 589.22
Euboea history, ancient 938.4
Eubryales botany 588.2141
Eubryinales " 588.213
Eubulides philosopher 183.6
Eucalyptus
leaves forest products 634.9891
(Myrtaceae) botany 583.42
Eucharist Christology 232.957
sacraments 265.3
Eucharistic
music ecclesiology 246.8
fine arts 783.2
see also Music, religious
vessels religion 247.8
Euchlorophyceae botany 589.47
Euchre card games 795.41
Euchromulinaceae botany 589.974555
Euclid philosopher 183.6
Euclidian geometry 513
non- 513.81
Eucommiaceae botany 583.3943
Euconjugatae " 589.61
Eucryphiaceae " 583.164
Eudemonism ethics 171.4–.5
Eudemus philosophy 185.3
Eudiometers prac. chem. 542.76
Eudiometry analytic chem. 545.7
Eudorina botany 589.47534
Euequisetales " 587.211
Eufilicineae " 587.312
Euflagellatae " 589.974
Eufloridea " 589.411
Euganoidei ichthyology 597.47
Eugene, Ore history 979.5311
Eugenia
aromatica (Myrtaceae)
field crops 633.832
jambos (Myrtaceae)
fruitculture 634.422
uniflora (Myrtaceae)
fruitculture 634.423
Eugenic method criminol. 364.3018

Eugenics
crime prevention 364.42
evolution 575.1
hygiene 613.94
mental psychology 136.3
Euglenales botany 589.9742
Eugubine tables
Umbrian language 477.4
Euhymenomonadaceae bot. 589.974554
Eulenspiegel German wit 837.41
Eulerian integrals
calculus 517.32
Eulogies biography 920
homilectics 252.9
Eumelân grape viticulture 634.84709
Eumycetes botany 589.2
Eunotiaceae " 589.6236
Euodiaceae " 589.6222
Eupatoriaceae " 583.5544
Eupen history 949.3
Euphaeophyceae botany 589.45
Euphonium brass instr. 788.44
Euphorbiaceae botany 583.951
Euphoria medicine 616.8951
psychology 132.1951
Euphues, Lyly's Eng. fict. 823.3
Euphuism rhetoric 808
Euplasmodida botany 589.293
Eupodiscaceae " 589.6224
Eupodiscales " 589.622
Eupomatiaceae " 583.1152
Euproctis chrysorrhea
(Bombycina) agric. pests 632.787
Euprotococcales botany 589.4752
Eure history 944.24
Eure-et-Loir " 944.51
Euripides Greek drama 882.3
Europe, Central history 943
history 940
ancient 936
European
chestnut (Fagaceae) nucic. 634.53
plan table systems 642.53
war, 1914–19
addresses 940.494
air warfare 940.44
Amer. societies of 369.186
armistice 940.439
1 **army life** 940.483–.484
battles 940.42–.43
European (cont.)
war, 1914–19 (cont.)
blockade 940.452
campaigns 940.42–.43
causes 940.311
chaplains 940.478
commemorations, etc. 940.46
drama 940.492
fiction 940.493
fronts 940.414–.416
history 940.3–.4
diplomatic 940.32
military 940.4
political 940.31
1 **hospitals** 940.476
humor & satire 940.496
1 **internment camps** 940.472
land operations 940.414–.416
League of nations 940.3143
mandates 940.31426
maps 940.499
medical corps 940.475
1 **memorials** 940.465
music 940.498
naval bases 940.453
history 940.45
neutrals 940.335
organizations, military 940.411–.413
peace efforts 940.312
treaties 940.314
personal narratives 940.481–.482
pictures 940.497
poetry 940.491
1 **prisons** 940.472
propaganda 940.488
1 **reconstruction** 940.3144
1 **refugees** 940.3159
religious life 940.478
reparations 940.31422
sanitation 940.4752
secret service 940.485
sermons 940.495
special aspects 940.318
1 **countries** 940.3
submarine warfare 940.451
tanks introduced 940.4317
welfare work 940.477
war, 1939– 940.53–.54
Europium chemistry 546.696
Eurypterida paleozoology 565.391
zoology 595.391
Euryscopes photography 771.352
Eusporangiatae botany 587.33

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Eustachian tube anatomy 611.856
pathology 617.86
physiol. 612.856
psychol. 152.26
valve anatomy 611.12662
Eustichiaceae botany 588.21414
Eutaw Springs, SC, battle
American revolution 973.3373
Euthanasia, animal ethics 179.3
human " 179.7
Euthenics, mental
differential psychology 136.2
Eutrapel, *pseud.* Fr. fict. 843.34
Eutuberaceae botany 589.231
Eutychian churches
[1] sectarian history 281.6
Eu-ulotrichales botany 589.4743
Euvites (Vitaceae) agric. 634.842
Evacuation day, New York
anniv. US hist. 973.363
military science 355.422
radio tubes 621.3841321
Evald, Johannes Dan. poet. 839.81152
Evangelical Alliance
religion 206.21
Evangeline
country, NS history 971.634
parish, La. " 976.357
Evangelist
ecclesiastic polity 262.15
Evangelistic
art ecclesiology 246.7
music " 246.7
fine arts 783.7
see also Music, religious
work pastoral theology 253
relig. revivals 269
writings theology 243
Evans, Marian Eng. fict. 823.88
Evans co., Ga history 975.8763
Evansville, Ind " 977.233
Evaporating dishes
practical chemistry 542.232
Evaporation
chemic operations 542.48
cutaneous physiology 612.524
see also Sweat
food preservation
chemic technology 664.8
domestic economy 641.48
meteorology 551.57
pulmonary
and loss of heat
physiology 612.523
physiology 612.25
Evaporation (cont.)
steam boilers 621.18413
thermology 536.44
vacuum prac. chemistry 542.77
Evaporators. fruit archi. 728.954
Evening
prayer Catholic ritual 264.024
Greek " 264.0194
Prot. Epis. " 264.034
etc.
primrose, (Onagraceae)
botany 583.445
[1] **schools educ., adult 374.8**
public 379.19
work labor economics 331.812
library economy 023.631
office " 651.4231
Event cosmology 116
Events, future, forecast of
math. probabilities 519.4
Everaert, Cornelis
Dutch poetry 839.31124
Everbearing grape vitic. 634.8486
Everett, Edward
American oratory 815.31
Everett, city, Wash hist. 979.7711
Everglade state (Fla)
history 975.9
Evergreen
formations veget. ecol. 581.526426
hedges floriculture 635.97684
shrubs
conservatory floric. 635.97654
floriculture 635.9764
state (Wash) history 979.7
Evergreens
(Coniferae) forestry 634.975
lands. art 715.1742
floriculture 635.9777
Everlastings
floriculture 635.973
(Inulaceae) botany 583.5542
Evidence legal procedure 347.94
logic 163
Evidences Bible 220.1
Evil
and goodness ontology 111.84
doctrinal theology 233
eye sorcery 133.42
natural theology 216
social ethics 176.5
spirits comp. relig. 291.216
doc. theol. 235
theodicy 231.8
Evocations sorcery 133.42

Evolution
algebra 512.7
and nervous syst.
physiology 612.8013
religion
apologetics 239.8
arithmetic 511.7
biology 575
natural theology 213
ontology 111.62
physiology 612.609
religion vs science 215
theory, determinate
biology 575.0163
Evolutionary
socialism polit. econ. 335.5
theory ethics 171.7
Evolutionism philosophy 146
Evolutive crim. sociol. 364.32
Evrard-Blanquard process
photography 772.12
Ewald
hearing theory
physiology 612.8501663
psychology 152.201663
Ewe milk
cheese dairy indus. 637.3551
dairy industry 637.173
Ex libris library economy 025.253
rare books 097
Ex officio members
of legislative bodies 328.332
Examination
for academic degrees
univ. & col. 378.244
of musicians fine arts 780.0754
teachers education 371.132
papers Eng. philology 428.9
[3] other lang. —89
[1] **questions, univ. & col. 378**
Examinations
civil service 351.3
competitive
school contests 371.535
in other specific fields
[2] see subject —0791
schools 371.27
Exanthemata pub. health 614.52
Excavating
machinery mech. eng. 621.86
museum methods 069.419
Excavation
architectural constr'n 721.12
bridge engineering 624.152
mining 622.21
see also Antiquities
Excellence, standards of
zootechny 636.08114
Excelsior
lumber forest products 634.9846
mills architecture 725.446
Exceptional children
education of 371.955
Excerpts, *see* Extracts
Excess profits tax
public finance 336.243
Exchange
bills of fin. econ. 332.77
law 347.7
dept lib. economy 025.26
foreign credit 332.77
free production 338.018
international money 332.45
mediums, nonmonetary
financial economics 332.55
of books, etc.
among libraries 025.266
int'l lib. econ. 021.852
lib. acquisition 025.226
goods sales methods 658.856
populations polit. sci. 325.12
specimens
biol. collecting 579.614
students
schools 371.391
univ. & col. 378.3
teachers educ. 371.1425
system
private telephony 621.3858
telephony 621.3854
tables bus. manage. 658.083
territorial polit. sci. 320.1267
Exchanges architecture 725.25
commerce 380.12
fin. economics 332.6
Exchequer English gov't 354.42062
[1] **foreign " 354**
US " 353.2
Excipulaceae botany 589.242
Excise offices archi. 725.143
Excises public finance 336.271
Excitability
cortical
physiol. of brain 612.8251
of myel physiology 612.832
Excitants therapeutics 615.785
Excitation
impulse radio circuits 621.384121
system 621.3841536
nervous physiology 612.8222-5

Excitation (cont.)
sensory nerve psychom. 152.8352
wave, cardiac physiol. 612.1722
Excommunication
censorious penance 265.65
ecclesiastic discipline 262.9
Excrements
human fertilizers 631.869
physiology 612.361
sanitary engineering 628.2
Excretion
biliary physiology 612.3577
biology 574.14
nitrogenous physiol. 612.46123
physiologic botany 581.14
zoology 591.14
physiology 612.4
respiratory physiol. 612.26
Excretory
locomotion botany 581.186624
organs
biol. comp. anat. 574.44
bot. " " 581.44
organography, biol. 574.74
bot. 581.74
zool. 591.74
veget. histology 581.844
zool. comp. anat. 591.44
tissues veget. histol. 581.824
Excursion boats recrea. 797.15
rates railways 385.132244
Excursions
as incentive to study
[2] see subject —0793
school educ. meth. 371.393
Executed persons, experiments on physiology 612.0132
Execution criminal law 343.2
Executive
advice legislation 328.372
branch of gov't admin. 350
dept buildings archi. 725.12
depts constit. law 342
functions psychology 157
management, in specific
[2] fields see subj. —00035
mansions archi. 725.17
powers legislation 328.252
Executives labor economy 331.124
office " 651.372
Executors private law 347.6
Exedrae landscape art 717.9
Exegesis Bible 220.6
Exemplar metaphysics 124
Exemplaria typographica 090
Exemption from
service mil. science 355.22
taxation pub. finance 336.294
schools 379.121
Exemptions
railway express rates 385.13236
tariff 337.82
Exercise
books, in specific
[2] fields see subj. —076
children's dom. econ. 649.5
curative therapeutics 615.82
diaphoretic " " 615.743
hygiene 613.7
physical physiology 612.7661
school hygiene 371.73
Exercises
athletic sports 796.4
practical, in specific
[2] fields see subj. —0765
themes, etc. educ. meth. 371.32
Exertion, effects of
pathology 616.983
Exfoliation
botanic ontogeny 581.135352
Exhalation
and loss of heat
physiology 612.523
biology 574.129
cutaneous physiology 612.793
photography 778.8
physiologic botany 581.129
zoology 591.129
physiology 612.25
see also Inhalation
Exhaust
fans engineering 621.63
pipe locomotive boilers 621.1335
Exhaustion
delirium medicine 616.8935
psychology 132.1935
effects of pathology 616.986
nervous medicine 616.843
psychology 132.143
psychosis medicine 616.8935
psychology 132.1935
Exhaustions, method of
calculus 517.1
Exhibit
apparatus
advertizing display 659.157

Exhibit (cont.)
cases
and apparatus phot. 771.46
screens, etc.
library equip. 022.931
museum " 069.31
halls architecture 725.91
Exhibition gardens
landscape art 712.626
Exhibitionism psychology 132.7542
Exhibitions
museum, arrangement of 069.53
riding horsemanship 798.24
useful arts 606
Exhibits
advertizing 659.15
art fine arts 708
library economy 021.46
museum " 069.5
of ass'n, soc., etc., activities, in specific
[2] fields see subject —064
cut flowers floric. 635.9665
growing plants " 635.9655
outdoor museum econ. 069.67
sales methods 658.845
school education 371.29
methods 371.335
museums 370.74
in other specific fields
[2] see subject —074
see also Expositions
Exhortations
public worship 264.6
Exile criminal law 343.2
ethics 177.8
Exiles immigration 325.12
Existence ontology 111.11
Exmoor
pony (Equidae)
domestic animals 636.1624
sheep (Bovidae)
domestic animals 636.3263
Exoasceae · botany 589.237
Exobasidiineae " 589.2213
Exodus Bible 222.12
rural agric. 630.1
Exogamy
matrimonial customs 392.5
Exorcism comp. religion 291.62
sorcery 133.44
Exoskeleton
comp. anatomy zoology 591.47
descr. " " 591.77
Exosmose
chemistry of solutes 541.341
of gases physics 533.1
liquids " 532.7
Exosporeae botany 589.2931
Exothermic reactions
thermochemistry 541.36
Exotics floriculture 635.952
forestation 634.95682
landscape art 715.17368
Expanded metal fabrics
manufactures 677.53
Expanding
vaults arched constr'n 721.455
vs mature economy
production 338.016
Expansion
colonial colonization 325.312
polit. science 320.1263
direct refrigeration 621.5652
office building 651.13
provision for
indus. architecture 658.231
steam engineering 621.1011
territorial polit. sci. 320.126
thermology 536.41
Expansive
psychosis medicine 616.8951
psychology 132.1951
Expatriation int'l law 341.51
Expectancy and attention
psychology 152.723234
Expectation, math. & moral
probabilities 519.2
Expectorants therap. 615.721
Expectorating physiol. 612.219
Expedited express rates
railways 385.132354
Expeditionary forces
military organization 355.352
Expeditions
museum economy 069.44
newspaper
circulation increase 070.338
scientific 508.3
Expenditures, expenses, etc.
apiculture 638.1117
business management 658.17
butter industry 637.217
cheese " 637.317
dairy " 637.117
domestic economy 647.1
elections suffrage 324.273
farm economy 631.17

Expenditures, expenses, etc. (cont.)
journalism 070.34
lac industry 638.3227
library finance 025.115–.116
public " 336.39
students' education 371.226
univ. & col. 378.368
zootechnic economy 636.0817
Experience
workmen's econ. equip. 331.114
Experiment stations
aeronautics 629.130722
radio 621.384167
Experimental
meth., viewpoint, in spe-
[2] cific fields see subj. —001
work shop management 658.572
Experimentation and its establishments, in specific
[2] fields see subject —072
Expert testimony
legal procedure 347.94
Experts, employment of
city planning 711.173
Exploders
ordnance 623.4542
projectile ordnance 623.451
Exploding devices
military engineering 623.27
ordnance 623.454
Exploitation mining 622.3
Explorations 910
aircraft service 629.1385
history of 910.9
mining 622.1
scientific 508.3
Exploratory courses
educational guidance 371.42
Explorers 910.69
[1] **biography** 923.9
life hygiene 613.69
Explosions
mining dangers 622.81
ordnance accidents 623.483
public health 614.83
Explosive bullets ordn. 623.45535
Explosives
accidents from
mining dangers 622.85
and safety pub. health 614.831
chemic technology 662.2
factory storage of 621.7964
mfg hygiene 613.66
ordnance 623.452
tillage 631.513
Exponential formulas
trigonometry 514.3
Export
commerce 382
duties, local pub. fin. 336.282
public finance 336.263
tariff 337.33
express rates railways 385.1323322
money numismatics 737.47
prohibition tariff 337.33
Exports forest economy 634.92725
resources 634.92725
Exposition
areas city zoning 711.57
buildings architecture 725.91
city planning 711.666
grounds landscape art 712.55
Expositions
adver. at business 659.152
temporary mus. econ. 069.019
useful arts 606
in other specific fields
[2] see subject —064
Exposure
accessories photography 771.21
apparatus
phot. sensitometry 771.5345
photography 771.37
time photography 771.36
death from physiology 612.591–.592
double, prevention devices
photography 771.3133
hygiene, occupational 613.64
injuries from
pathology 616.988
public health 614.87
of children
customs & manners 392.2
dead burial customs 393.4
photography 770.282
Ex-presidents
in legislative bodies 328.3322
Express
and freight services
ocean transport 387.5453
railways 385.253
passenger services
ocean transport 387.542
railways 385.22
buildings architecture 725.32
forms bus. methods 658.78826
money orders fin. econ. 332.76
railway, car factories
architecture 725.454

Express (cont.)
rates railways 385.1323
waterways 386.1323
routine office economy 651.457
savings banks
fin. economics 332.22
service
aircraft 629.13825
ocean transport 387.543
railways 385.23
train passenger rates
railways 385.132254
transport business 656
Expression
bodily & facial
physiognomy 138
emotional psychology 157.2
facial art anatomy 743.2
graphic psychology 158.84
practical chemistry 542.68
vocal psychology 158.83
Expressionism
painting schools 759.915
Expresstipie photography 777.3
Expropriation
political economy 333.13
private law 347.2
public finance 336.18
Expulsion
school punishment 371.56
Extempore prayer
public worship 264.1
Extension
cameras photography 771.314
courses adult educ. 374.64
lib. functions 021.44
univ. & col. 378.13
in other specific fields
[2] see subj. —0715
dept Sunday schools 268.422
work agric. education 630.717
Extensometer engineering 620.112
Extensor
carpi
radialis brevis anat. 611.73763
longus " 611.73762
ulnaris anatomy 611.73764
digitorum brevis anat. 611.7388
longus " 611.73842
hallucis longus " 611.73843
indicis proprius " 611.73769
Extensores digitorum anat. 611.73765
pollicis " 611.73768
Extent
cosmology 119
of subject, in specific
[2] fields see subject —011
perception psychology 152.752
Exteriority
sensations physiology 612.88
psychology 152.673526
External walls archi. 721.291
Exterritoriality int'l law 341.7
Extinct
animals paleontology 562–569
man paleozoology 569.9
plants paleontology 561
species biology 575.7
Extra
fare trains passenger
rates railways 385.132254
pay wages 331.22
Extraction mining 622.6
Extractors laundry bus. 648.3
Extracts
chemic technology 668.5
general polygraphy 082.2
literature, American 818
English 828
[3] other —8
of organs physiol. chem. 612.01521
reading meth. lib. econ. 028.1
in other specific fields
[2] see subject —0822
Extracurricular activities
student life 371.8
Extradition int'l law 341.4
Extrados arch constr'n 721.428
Extradosed arches
architectural constr'n 721.427
Extraterritoriality
international law 341.7
Extra-uterine pregnancy
obstetrics 618.31
Extravagance
students' univ. & col. 378.368
wealth consumption 339.44
Extreme unction sacraments 265.7
Extremities, costumes for
sociology 391.4
see also Lower or Upper extremities
Extremity bones anatomy 611.717–.718
joints " 611.727–.728
Extrovert type personality 137.45
Exudations physiol. bot. 581.129
physiology 612.381
Exuviaella botany 589.97333

Eye
accessory organs of
anatomy 611.846
anatomy 611.84
chamber
anterior
anatomy 611.8411
physiology 612.8411
psychology 152.111
refracting medium 611.8449
posterior anatomy 611.8447
convergence optics 535.7
physiology 612.8462
psychology 152.162
cuttings plant culture 631.5355
diagnosis pathology 616.0753
evil sorcery 133.42
hospitals architecture 725.51
induction in
physiology 612.8432
psychology 152.132
irradiation of
physiology 612.8432
psychology 152.132
movements physiology 612.846
psychology 152.16
muscles
anatomy 611.7325
and oculomotor nerve
physiology 612.81933
external anatomy 611.8461
optics 535.7
physiology 612.84
pigments anatomy 611.8423
physiology 612.8425
psychology 152.125
pupil of anatomy 611.8421
physiology 612.8421
psychology 152.121

Eye (cont.)
refracting mediums of
anatomy 611.844
sensations, kinesthetic
physiology 612.8437232
psychology 152.137232
training music educ. 780.77
tunics anatomy 611.841–.842
physiology 612.841–.842
psychology 152.11–.12
Eyebrows anatomy 611.8476
Eyeglasses
manufactures 681.411
ophthalmology 617.75
optics 535.86
stereoscopic phot. 778.44
Eyehole ordnance 623.4251
Eyelashes anatomy 611.8475
physiology 612.847
see also Ciliary body
Eyelids
anatomy 611.847
and oculomotor nerve
physiology 612.81932
ophthalmology 617.77
Eyes
and sympathetic syst.
physiology 612.896
artificial ophthalmol. 617.79
care of hygiene 613.49
school hyg. 371.72
clothing accessories 687.8
inspection of schools 371.712
ophthalmology 617.7
protection of
indus. sanitation 628.512
Ezekiel Bible 224.4
Ezo history 952.4
Ezra Bible 222.7

F

Fabaceae botany 583.322
Faber, Cecilia Boehl de
  Spanish fiction 863.53
Fabianism socialism 335.14
Fables in art 704.947
  lit., American 818
  English 828
  [3] other —8
Fabre d'Eglantine, P F N
  French drama 842.64
Fabrics, textile, *see* Textiles
Fabroniaceae botany 588.21512
Façades archi. design 729.1
Face anatomy, regional 611.92
  bones anatomy 611.716
  surgery 617.52
Faces arch construction 721.428
Facetiae, *see* Humor and
  satire
Facial
  angle craniology 573.7
  artery anatomy 611.13323
  muscles and nerves
    physiology 612.81971
  nerve anatomy 611.8317
    nucleus of anat. 611.8176
    physiology 612.8197
  paralysis physiology 612.81978
  veins anatomy 611.14517
Facsimile telegraphy
  elec. engineering 621.3827
Facsimiles, transmitted
  photography 778.12
Factor theory correla-
  tional psychology 151.2651
Factories
  architecture 725.4
  care of dom. economy 647.964
  city planning 711.664
  cooperative polit. econ. 334.64
  engineering 621.7
  industrial management 658.2
    sanitation 628.51
  manufacturing 670
  prison sociology 365.54
  radio manufactures 621.384183
  urban vs
    rural production 338.018
    suburban city plan. 711.552
Factors and brokers
  commercial law 347.7
Factory
  councils indus. rela. 331.152
  districts city zoning 711.5547
  grounds lands. art 712.77
Factory (cont.)
  inspection polit. econ. 331.82
    production 338.91
  land economic use 333.77
  layout business manage. 658.23
  management bus. meth. 658.5
  products, storage of 621.7966
  roofs archi. constr'n 721.587
  schools labor econ. 331.86
  supplies & materials
    storage of 621.7962
  system labor & wages 331
    production 338.65
  towns city planning 711.4547
  waste san. eng. 628.54
  workmen's libraries 027.642
Faculae astronomy 523.74
Faculties
  active psychology 153
  localization of
    phrenology 139
    psychophysiology 131.2252
  passive psychology 152
Faculty
  and school lib. educ. 371.641
  book loans for 024.74
  committees
    student employment 378.364
  education 371.1
  intuitive psychology 156
  [1] **meetings education 370.71**
  psychology 150.1922
  universities & colleges 378.12
Fading
  paintings 751.6
  photographic negatives 770.2852
  radio transmission 621.3841151
Faeroe, etc., *see* Faroe, etc.
Fagaceae botany 583.977
Fagales " **583.976**
Fagging student life 371.82
Fagopyrum (Polygonaceae)
  field crops 633.12
Fahlbands geol., econ. 553.17
Fahlcrantz Swedish wit 839.7763
Faience ware pottery 738.37
Faille silk industry 677.4164
Failures fin. economy 332.75
  students 371.28
Fair
  bldgs architecture 725.91
    city planning 711.666
  grounds city zoning 711.57
    landscape art 712.55
  list capital & labor 331.893

Fair Oaks, Va, battle, 1862
US Civil war 973.7327
Fairbairn wheels
mech. engineering 621.223
Fairfax co., Va history 975.529
Fairfield co., Conn hist. 974.69
O " 977.158
SC " 975.749
Fairies folklore 398.4
Fairs
advertizing at bus. 659.152
commer. dom. trade 381
indus. useful arts 606
recreation 791.6
sales channels 658.842
social customs 394.6
in other specific fields
[2] see subj. 064
Fairy clubs (Fungi) bot. 589.222
scenes theater 792.8
tales comp. mythol. **291**
folklore 398.4
see also Fiction
Faith
and sci. soteriology 234.23
confessions of
doctrinal theology **238**
public worship 264.5
cure psychology 131.324
religion 265.8
therapeutics 615.852
see also Cures, Healing
doctrinal theology **234.2**
freedom of, *see*
Liberty of conscience
grape viticulture 634.843209
logic 163
metaphysics 121
psychology of reasoning 153.6632
rule of soteriology 234.24
Faiyûm history 962.23
Fakirs Mohammedanism 297
Falconidae ornithology 598.91
Falconry hunting business 639.1
sport 799.25
Faldella, Giovanni
Italian fiction 853.85
Falemé River history 966.37
Faliscus, Gratius
Latin poetry 871.4
Falkland islands
history 997
naval battle Eur. w. 940.454
Fall grape vitis berlandieri
agriculture 634.8441
Fall of
man doc. theology 233.14
Rome, 476 hist., ancient 937.09
Fallacies logic 165
Fallen, parish care of
religion 258
Fallen Timbers, O, battle
US history 973.43
Fallières, C A presidency 944.08
Falling bodies
deviation of
astron., terrestrial 525.37
mechanics 531.52
Fallopian tubes anatomy 611.656
gynecology 618.12
Fallowing agric. meth. 631.581
False
doors archi. constr'n 721.835
hemp
Amer. (Datiscaceae) bot. 583.469
(Fabaceae) field crops 633.562
in nature ontology 111.832
mermaid (Limnanthineae)
botany 583.294
pile foundations
architecture 721.156
returns electoral frauds 324.275
windows archi. constr'n 721.845
Falsehood ethics 177.3
Falsen, Enevold de
Danish drama 839.81254
Falsetto singing
voice culture 784.94
Falster, Christian
Danish poetry 839.81143
Falx cerebri anatomy 611.8195
Fame social ethics 177
Familiarity
psychol. of recognition 154.34232
Family
allowance syst. wages 331.22
and state polit. sci. 323.45
case work
crime prevention 364.45
courts criminology 364.53
devotions prac. relig. 249
histories genealogy 929.2
holy Christology **232.93**
hotels architecture 728.23
influence
crime prevention 364.44
law jurisprudence 347.6
[1] **libraries** **027.1**
meals dom. economy 642.1
medicine pathology 616.02

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Family (cont.)
political science 321.1
relations
customs & manners 392.3
ethics **173**
size crime prevention 364.42
superiority genius 151.13
system production 338.63
welfare service 362.8
worship comp. relig. 291.2134
prac. " 249
Famine fever pathology 616.924
hygiene 613.24
physiology **612.391**
Famines economics 338.15
welfare work 361.55
Fan
lights window constr'n 721.845
vaulting arched " 721.456
archi. design 729.346
Fanaticism personal relig. 248
Fanciful forms
carved architecture **729.53**
painted " **729.43**
Fancy
psychol. of imagination 155.1
Fancy-dress balls. recrea. 793.386
Fancywork fine arts **746**
Fannin co., Ga history 975.829
Fanning mach. agric. 631.3622
mills eng. 621.63
Fanorona games 794.2
Fans
blowing engines 621.63
carving 736.7
cooling mot. veh. engine 629.2566
costume 391.4
mining engineering 622.44
motor vehicle chassis 629.2427
threshing agriculture 631.3621
ventilation 697.9
winnowing agriculture 631.3621
Fanshaped windows
archi. construction 721.843
Fantail pigeons (Columbae)
agriculture 636.59621
Fantan games 795
Fantascopes photography 778.52
Fantasias about music 780.881
music form 781.50833
piano music 786.42
Fantasmographs phot. 771.42
Fantasms and fantoms
occultism **133.1**
Fantom circuits telegraphy 621.38295
Far East history **950**
Faraday tubes prac. chem. 542.79
Faradization therap. 615.84
Farces lit., American **812**
English **822**
" other —2
rhetoric 808.2
theater 792.3
Fares railways **385.1322**
Farewell sermons
homiletics 252.9
Fargier process phot. 773.123
Faribault co., Minn hist. 977.622
Farina, Salvatore
Italian fiction 853.86
Farina as food dom. econ. 641.13
Farinosae botany **584.3**
Farm
acquisition agric. **631.11**
buildings " **631.2**
lands. art 717.65
prisons 365.54
bureaus agriculture **630.6**
credits fin. economics 332.71
expenses agriculture **631.17**
forestry 634.999
houses architecture 728.67
implements agric. **631.3**
influences diff. psychol. 136.264
labor polit. economy 331.763
life, isolated
political science 323.354
machinery
cooperative ownership 334.63
management agric. **631.1**
mortgages fin. econ. 332.72
operation agriculture **631.5**
produce economics **338.1**
profits production 338.13
purchase agriculture 631.112
selection " **631.11**
stables architecture **728.94**
taxes agriculture 631.112
tenancy " 631.113
land econ. 333.53
valuation agriculture 631.112
Farmer as owner agric. 631.1151
renter " 631.113
Farmers 630.69
alliance agric. ass'ns 630.6273
biography 926.3
institutes agric. 630.715
occupation hygiene 613.64
unions production 338.12

Farming
agriculture 630
and climate
agriculture 631.9
forest policy
forestry 634.925173
roads agriculture 631.9
cooperative production 338.12
dairy agriculture 637
distribution of
climatic
arctic regions 631.0911
mountain " 631.0914
temperate zones 631.0912
tropical " 631.0913
geographic
in Belgium 631.09494
New Zealand 631.09931
Utah 631.09792
etc.
see also Arable lands
dry agric. methods 631.586
forest uses 634.993
intensive agric. meth. 631.583
methods agriculture 631.58
out wages 331.23
power used in agric. 631.37
revenue pub. finance 336.19
sewage disposal 628.37
tax public finance 336.292
Farms
agriculture 631
collective agriculture 631.115
cooperation 334.61
production 338.12
landscape art 712.645
laying out agriculture 631.12
prison sociology 365.36
size of agriculture 631.116
types of " 631.14
working of " 631.115
Farmstead agriculture 631
Farm-to-market roads
agriculture 631.9
Faro card games 795.42
ethics 175.5
Faroe island sheep (Bovidae)
domestic animals 636.372
islands history 949.1
[4] **Faroese language** 439.6
Farquhar, George
English drama 822.48
Farquhar islands history 969.46
Farrer Catalan poetry 849.9134
Farriery, *see* Horseshoeing
Farsightedness
ophthalmology 617.75
physiology 612.8452
psychology 152.152
school hygiene 371.72
Fascia dentata hippocampi
anatomy 611.81314
Fasciae anatomy 611.74
pathology 616.75
Fasciation botany 581.2262
Fasciculus
anterolateralis
anatomy 611.8183
superficialis ascendens 611.8254
cerebrospinalis anat. 611.8252
cuneatus " 611.8182
gracilis " 611.8182
proprius anterolateralis 611.8257
sulcomarginalis anat. 611.8255
Fascination anim. ecol. 591.57
veget. " 581.574
Fascism It. history 945.09
labor organiza. 331.886
polit. economy 335.64
Fascists It. politics 329.945
Fashion customs & manners 390
Fashionable schools
education of women 376.4
Fashions costume 391
dom. economy 646.01
Fashoda history 962.9
Fassoni, Alessandro
Italian wit 875.51
Fast train
express rates railways 385.132354
passenger " " 385.132254
Fast-day
cookery dom. economy 641.566
sermons homiletics 252.6
Fastener presses
office equipment 651.266
Fastening
devices
office fittings 651.4652
supplies 651.4662
tools mech. eng. 621.97
Fastenings
clothing industry 687.8
door & window constr'n 721.88
design 729.388
mech. engineering 621.88
Fasti, Roman chronology 529.3

Fasting
and work psychology 158.736
ethics 178.9
hygiene 613.24
religious
asceticism 248
Catholic ritual 264.021
Greek " 264.0191
Prot. Epis. " 264.031
etc.
theology 264
Fat
absorption
by skin physiology 612.7912
in intestine " 612.33273
stomach " 612.32273
hepatic physiology 612.3522
secretion botany 581.1413
Fata morgana optics 535.3
Fatalism nat. theology 214
philosophy 149.8
see also Predestination
Fate line palmistry 133.6432
Father, God the
doctrinal theology 231.1
Father's duties ethics 173.5
Fathers of
charity relig. order 271.9
[1] **the church biography 922.1**
Fatigue
and nerve cells physiol. 612.82253
reflexes " 612.83397
cellular " 612.01432
effect on mental health
psychology 131.336
industrial economics 331.824
muscular physiology 612.74421
physiology of nerves 612.8166
psychology 158.7
retinal physiology 612.843632
psychology 152.13632
school hygiene 371.71
sensations, organic
physiology 612.88
psychology 152.6739
study indus. manage. 658.544
tests eng. materials 620.1123
Fatness, excessive, *see* Obesity
Fats
adulterations 614.313
and gastric digestion
physiology 612.3223
nutrition physiol. 612.397
pancreatic digestion
physiology 612.3423
animal chemic tech. 665.2
Fats (cont.)
as food dom. economy 641.14
chemistry of blood 612.123
in intestinal digestion
physiology 612.3323
lactic secretion
physiology 612.66433
milk dairy industry 637.1271
physiology 612.66413
metabolism, physiologic 612.3972
organic chemistry 547.2
protective therap. 615.776
value of, thermodynamic
physiology 612.3975
vegetable chem. tech. 665.3
Fattening, forced zootech. 636.08455
Fatty
ink processes phot. 774
series organic chem. 547.2
Fauces anatomy 611.32
pathology 616.31
Faulkner co., Ark hist. 976.774
Faults geology 551.87
theory of min'g 622.16
Fauna
fossil paleontology 562–569
[1] **geographic distrib. of 591.9**
insular geog. zoology 591.91
of Asia " " 591.95
Austria " " 591.9436
Wisconsin " " 591.9775
etc.
zoology 590
Fauquier co., Va hist. 975.5275
Faure, Felix presidency 944.08
Faure accumulators
electric engineering 621.3553
Fauresmith history 968.52
Faust legend folklore 398.22
Fauvism painting schools 759.915
Faverolles fowls (Gallinae)
agriculture 636.545
[1] **Favorites, royal biog. 923.9**
Favors school rewards 371.53
Favrile glass fine arts 748.4
Fayette co., Ala history 976.187
Ga " 975.8426
Ill " 977.3797
Ind " 977.262
Ia " 977.735
Ky " 976.947
O " 977.181
Pa " 974.884
Tenn " 976.821
WVa " 975.471

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Fayetteville, NC history 975.6371
Fazio degli Uberti
Italian poetry 851.17
Fear
physiology of brain 612.82133
psychology of emotions 157.3
Fearlessness ethics 179.6
Feasts
love public worship 264.8
religious
folklore 398.33
music for f. arts 783.28
ritual, Catholic 264.021
Greek 264.0191
Prot. Epis. 264.031
etc.
theology 264
social customs 394.1
see also Festivals, Holidays and specific names
Feather
fabrics textile mfg 677.56
fibers " " 677.39
production zootechny 636.0884
Featherfooted fowls, Siberian (Gallinae) agric. 636.572
Feathers
anatomy 611.787
comparative anatomy 591.47
in clothing dom. econ. 646.17
ornithology 598.2
Febrer, Andrés
Catalan poetry 849.9112
Fecal secretion zoology 591.149
Feces physiology 612.361
Fechner's laws
psychophysics 152.8214
Fecundation, super-
biology 574.169
botany 581.169
obstetrics 618.25
zoology 591.169
see also Fertilization
Fecundity demography 312.1
Federal
aid to education 379.12
employes economics 331.795
farm credit system
fin. econ. 332.71
farm loan system
fin. econ. 332.72
[1] **finance polit. econ. 336**
[1] **gov't of foreign countries 354**
United States 353
Federal (cont.)
party US politics 329.1
reserve bank notes
fin. econ. 332.53
banks fin. econ. 332.11
trade commission created
1914 US history 973.913
Federalism republics 321.8
Federalists US history 973.4
Federation
colonial polit. sci. 325.317
imperial Brit. gov't 354.4201
of churches sect. hist. 280
state polit. sci. 321.021
Feeblebodied
education of 371.917
Feebleminded
asylums for archi. 725.53
sociology 362.3
education of 371.922
libraries for 027.6623
prison hygiene 365.664
suffrage limitations 324.171
Feeblemindedness
childstudy 136.7622424
psychology 132.2424
Feed mills architecture 725.47
rooms " 728.948
Feeder panels
electric stations 621.31724
Feeders
electric traction lines 621.33217
radio antennas 621.38413588
Feeding
artificial hygiene 613.23
for special purposes
zootechny 636.0845
of animals pub. health 614.95
zootechny 636.084
lac insects agric. 638.3242
technic of hygiene 613.23
times zootechny 636.08442
variety in " 636.08445
Feedwater
appliances steam eng. 621.1972
steam boilers 621.18413
power plant 621.1942
Feeling
and attention psychol. 152.72313
conation " 158.1
sensations, organic
physiology 612.88
psychology 152.6739
tone **psychol. of emotions 157.52**

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Feelings
emotional psychology 157
phrenology 139.22
psychol. of recognition 154.3423
Feertypes photography 773.7
Fees
building construction 692.8
library finances 025.113
professional economics 331.27
public finance 336.273
school support 379.13
teachers' education 371.162
tipping wages 331.238
tuition education 371.22
Feher Szagos grape vitic. 634.849
Feijóo y Montenegio, B J
Spanish literature 868.41
Feitama, Sybrand
Dutch poetry 839.31144
Feith, Rhijnvis
Dutch fiction 839.31343
Felata description 916.62
Feldspar geol., economic 553.69
mineralogy 549.61
Feliciana parishes, La.
history 976.316–.317
Felidae mammalogy 599.74428
Felipe 2 Sp. history 946.04
3 " " 946.051
4 " " 946.052
5 " " 946.055
Felled trees measurement
forestry 634.92855
Fellenberg's system educ. 371.426
Felling budget forestry 634.928334
logging 634.98242
Fellows, Odd secret soc. 366.3
Fellowship, church
religious ordinances 265.2
Fellowships univ. & col. 378.33
Felons criminal law 343
Felsites petrology 552.27
Felt, glazed textile mfg 677.68
products " " 677.63
Felted fabrics " " 677.62
Felts, green (Siphonales)
botany 589.472
Female
birth rate 312.1
diseases gynecology 618.1
zootechny 636.0898
figures fine arts 704.9424
Female (cont.)
functions of generation
physiology 612.62
sex biology 577.823
see also Girls, Women
stock zootechny 636.08232
Feminization of teaching
force education 371.183
Femoral
arteries anatomy 611.13783–84
canal anat., regional 611.9815
glands anatomy 611.4682
nerve " 611.8355
veins " 611.1473
Femoro-tibial ligaments
anatomy 611.72831
Femur anatomy 611.7184
Fences city planning 711.67
farm economy 631.27
forest eng. 634.9345
land economics 333.31
landscape art 717.85
law of realty 347.2
railway equip. 625.18
Fencing, etc. mil. drill 355.541
sports 796.86
school hygiene 371.734
Fencings, woven
manufactures 677.53
Fenders motor vehicles 629.2672
Fenestration
architectural design 729.384
library lighting 022.71
Fen-fowl hunting sport 799.243
Fengtien, Manchuria hist. 951.82
Fenian invasion of Canada
Canadian history 971.048
United States " 973.81
Fenianism Irish history 941.58
polit. ass'ns 363
Fennel (Apiaceae) botany 583.481
Fenollar, Bernardo
Catalan poetry 849.9132
Fens physiography 551.49
public health 614.772
Fentress co., Tenn hist. 976.869
Ferdinand 1 Ger. history 943.032
2 " " 943.042
3 " " 943.043
see also Fernando
Fère-en-Tardenois
Eur. w., 1918, May 940.4343
July 940.4352

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Ferghana history 958.7
Ferguson, Elizabeth (Graeme)
American poetry 811.16
Ferlo history 966.35
Fermanagh " 941.68
Fermentation
and barometric pressure
physiology 612.276
biologic chemistry **574.193**
botanic " **581.193**
lactic physiology **612.66417**
products botany 581.1932
urinary physiology .612.4667
Fermented
beverages chem. tech. **663.1**
temperance **178**
milk dairy industry 637.146
Ferments
agricultural soil 631.46
chemistry of blood 612.128
digestive
and intestinal juice
physiology **612.3328**
therapeutics 615.7342
fibrogenous physiology 612.11512
hepatic " 612.35111
in gastric juice physiol. 612.3215–6
leucocytes " 612.11211
urea " 612.461268
lipolytic metabolism
physiologic 612.3973
pharmacology 615.35
physiologic chemistry **612.0151**
proteolytic physiology
of nutrition 612.3983
Fermier général
French public finance 336.190944
Fern Munson grape vitic. 634.845509
Fernán Caballero, *pseud.*
Spanish fiction 863.53
Fernández de Moratin, Nicolás Spanish poetry 861.41
Fernando 5 Sp. history 946.03
6 " " 946.056
7 " " 946.07
see also Ferdinand
Fernando Po history 966.991
Ferneries architecture 728.98
landscape art 716.5
Fernlike
plants (Pteridophyta)
botany **587**
seed plants (Pteridospermae) **botany** **585.95**
Ferns
common (Polypodiaceae)
botany 587.3127
(Filicales) floriculture **635.97532**
filmy (Hymenophyllaceae)
botany 587.3129
floating (Salviniaceae)
botany 587.3111
flowering (Osmundaceae)
botany 587.3121
modern (Leptosporangiatae) botany **587.31**
of uncertain relationship
botany 587.38
old-fashioned (Eusporangiatae) botany 587.33
potted house floric. 635.96526
tree (Cyatheaceae) bot. 587.3128
water (Hydropterideae)
botany **587.311**
see also qualifying or specific terms
Ferra grape viticulture 634.8546
Ferrara history 945.4
Ferrari, Paolo It. drama 852.75
Ferretry hunting bus. 639.1
sport 799.25
zootechny 636.081113
Ferrier & Soulier process
photography 772.13
Ferries
administrative control 351.814
commerce **386.6**
transport business 656
vs railways railroads 385.1266
Ferro history 964.95
Ferro-
cupric process phot. 772.17
gallic processes " 772.23
prussiate " " 772.22
types photography 772.14
glazing 771.45
Ferrous ores geol., econ. 553.3
Ferry bridges harbor eng. 627.3
co., Wash history 979.725
houses architecture 725.34
Island history **952.4**
Ferryboats shipbuilding 623.8234
Fertility
agricultural soil 631.45
period of physiology 612.663
soil public parks 712.515
Fertilization
bees in plant apic. 638.19
biology **574.166**

Fertilization (cont.)
botany 581.1662
control, artificial bot. 581.16626
embryology 611.0132
forest nursery 634.95643
plant breeding 631.522
growth 631.5474
self-
and heredity biol. 575.133
botany 581.16624
zoology 591.166
see also Fecundation
Fertilizer
distributors farm mach. 631.333
experiments agric. 631.88
Fertilizers
agriculture 631.8
and pollution
public health 614.748
chemic technology 668.6
forest products 634.98984
from refuse san. eng. 628.49
in Japan agriculture 631.81952
Phenicia " 631.8193944
Wyoming " 631.819787
etc.
laws & legislation 631.818
Ferula (Umbelliferae) bot. 583.481
see also Asafetida
Ferules steam boilers 621.18453
Fescue grasses (Festuceae)
field crops 633.264
Fessenden, T G Amer. wit 817.22
Festivals
folklore 398.33
labor office personnel 651.425
social customs 394.2643
workmen 331.817
music, *see*
Music gatherings
recreation 791.6
religious, *see*
Feasts, religious
Sunday schools 268.76
Festive music for piano 786.46
Festuceae botany 584.936
grass crops 633.288
Fetal
appendages embryology 611.0138
gynecology 618.34
hepatic veins anatomy 611.1497
portal vein " 611.143
Fêtes folklore 398.33
recreation 791.6
Fetishism comp. relig. 291.211
psychology 132.7543
Fetticus (Valerianaceae)
garden crops 635.57
Fetus
abnormalities of
obstetrics 618.53
death & retention of
obstetrics 618.33
physiologic zoology 591.3
physiology 612.647
Fetuses, coalescent
anatomy 611.0125
hygiene of progeny 613.91
somatology 573.9
surgery 617.35
see also Synophyty
Feudal tenure land econ. 333.32
priv. law 347.2
Feudalism
age of Chinese hist. 931.04
church " 270.3
European " 940.14
Japanese " 952.02
political science 321.3
Feuds and crime sociol. 364.256
Feuillet, Octave Fr. fict. 843.83
Fever
and urine physiology 612.46626
physiology 612.556
simple, continued pathol. 616.926
see also qualifying or specific terms
Feverbush (Cornaceae) bot. 583.497
(Garryaceae) " 583.982
(Ilicineae) " 583.2781
(Lauraceae) " 583.931
Fever-few (Anthemidaceae)
botany 583.5537
Fevers pathology 616.92
see also specific names
Fez history 964.3
Fezzan
history 961.3
sheep (Bovidae)
domestic animals 636.386
Fiat money fin. economics 332.52
Fiber
crop harvesters agric. 631.3585
harvesting " 631.5565
mixtures textile mfg 677.61
plants economic bot. 581.642
Fibers
animal textile mfg 677.38–.39
Corti's ear pathology 617.88
elastic textile mfg 677.55
mineral " " 677.51–.52

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Fibers (cont.)
muscular, *see* Muscle, etc.
neural physiology 612.81
preparation of
textile equip. for 677.02851
process 677.02821
see also special fibers
radio insulation 621.3841791019
textile dom. economy 646.1
industry 677
vegetable
braiding & plaiting 677.54
field crops 633.5
textile mfg 677.1–.2
Fibrin
physiology of blood 612.1151
nutrition 612.398133
Fibrinogens
physiology of nutrition 612.398132
Fibrinoplastic
ferments physiology 612.11512
substances physiol. of nutrition 612.398132
Fibrous tissue histology 611.01827–28
Fibrovascular bundles
vegetable morphology 581.413
Fibula anatomy 611.7186
Fichte, J G philosophy 193.3
Ficksburg history 968.57
Ficoidaceae botany 583.475
Ficoidales " 583.47
Fiction
buying lib. accession 025.216
Christology 232.993
collections 808.83
literary history 809.3
literature, American 813
English 823
[3] other —3
newspapers 070.4483
reading lib. economy 028.4
religious theology 244
writing rhetoric 808.3
Fictitious
characters, dictionary of literature 803
names bibliography 014
news journalism 070.16
Ficus carica (Moraceae)
fruitculture 634.37
Fidalgo Island, Wash hist. 979.772
Fiddlewood (Verbenaceae)
botany 583.881
Fideicommissum land econ. 333.35
Fidelity ethics 177.3
radio receivers 621.38413615
Fiduciary money fin. econ. 332.52
Fief feudalism 321.3
Field
artillery ballistics 623.551
mil. sci. 358.1
ordnance 623.412
ball sports 796.31
books engineering 620.83
cameras photography 771.312
cores electric eng. 621.316
correspondence
military science 355.331
crop barns archi. 728 953
crops agric. produce 633
glasses manufactures 681.412
hoe farming 631.3151
instruction mus. econ. 069.15
life military sci. 355.12
mounts & carriages
ordnance 623.4311
of photographic lenses 771.352
operations
geod. base measuring 526.25
geology 550.72
military maneuvers 355.5
tactics 355.41
photography f. arts 778.71
service mil. maneuvers 355.51
work
botany 580.723
educational methods 371.393
geod. triangulation 526.3
museum economy 069.44
in other specific fields
[2] see subject 072
works fortifications 623.15
Fieldhouses lands. art 712.545
Fielding, Henry Eng. fict. 823.52
Fields
athletic sports 796
landing aeronautics 629.136
Fife history 941.33
wood instruments 788.5
Fig
Adam's (Musaceae) fruitc. 634.773
Indian (Cactaceae) " 634.7754
(Moraceae) " 634.37
Figaro, *pseud.* Sp. fict. 863.51
Fighting, animal ethics 175.6
recrea. 791.8
prize ethics 175.6
sport 796.83
Fig-marigold (Aizoaceae)
botany 583.475
Figo history 952.225

Figure drawing art anat. 743
human " " 743.4
fine arts 704.942
Figured bass music 781.3
Figureheads carving 736.4
Figures
correlation of geom. 513.57
English prosody 426.4
[3] other lang. —64
gummed office supplies 651.4667
moving adver. devices 659.138
of rhetoric literature 808
ornamental ceramics 738.84
personification of
psychology 152.777
suggested by sound
psychology 152.7713
Figwort (Scrophulariaceae)
botany 583.81
Fiji islands history 996.1
Filament
bulbs phot. lighting 771.4476
current supply
radio circuits 621.38413381
lamps elec. lighting 621.326
Filamentous lichens (Byssaceae) botany 589.19
Filaments floral anat. 581.463252
stem morphology 581.49562
Filangieri, Gaetano
Italian essays 854.66
Filaree (Geraniaceae) bot. 583.223
Filbert (Corylaceae) nucic. 634.54
File
boxes, storage of
office records 651.545
cabinets
office furniture 651.236
syst. office records 651.533
Filefish (Plectognathi)
ichthyology 597.54
Files
cabinet
library furniture 022.916
museum collections 069.57
letter
library correspondence 025.156
museum " 069.651
literary methods 029.3
office records 651.5
spindle office fittings 651.4658
Filial duties ethics 173.6
Filibustering
criminal law 343
history of piracy 910.4
legislative procedure 328.3744
Filicaceae botany 587.312
Filicaia, Vincenzo da
Italian poet. 851.54
Filicales botany 587.3
paleobotany 561.73
Filing coins 332.419
mach. mech. tools 621.924
office economy 651.5
Filioque controversy
doctrinal theology 231.3
Filler pile foundations
architecture 721.171
Fillers, film base
photographic chemistry 771.542
Fillets anatomy 611.8167
Filling
fibers field crops 633.59
stations architecture 725.384
mot. veh. 629.286
textile process 677.02824
see also special fibers
Fillmore, Millard, pres.
US history 973.64
Fillmore co., Minn hist. 977.616
Neb " 978.234
Fills railway eng. 625.12
Film
base solutions
photographic chemistry 771.542
cameras photography 771.3133
coatings phot. chem. 771.528
for stripping " " 771.527
handling apparatus phot. 771.43
holders camera equip. 771.33
mfg photography 770.2812
pack cameras phot. 771.3134
packs & spools " 771.33
phot. chemistry 771.5324
stripping photography 770.2853
tanks " 771.43
winding devices " 771.3133
Filmographs photography 771.3133
Films
defective, treatment of
photography 770.2818
metal phot. chemistry 771.524
moving picture
color photography 778.5542
educational methods 371.33523
library acquisition 025.297
splicing phot. 778.554
photographic
lib. administration 025.177
preservation 025.8
projection 778.25
sensitive phot. chem. 771.5324

Filter
basins waterworks 628.16
presses sewage disposal 628.343
Filters
darkroom photography 771.24
feedwater steam eng. 621.1972
light photography 771.356
radio circuits 621.38413382
Filth diseases
pathology 616.93
public health 614.51
Filtration
areas sewage irrigation 628.368
chemic technology 660
industrial sanitation 628.545
intermittent downward
sewage irrigation 628.365
practical chemistry 542.67
sewage disposal 628.35
Filum terminale anatomy 611.8216
Fimbria hippocampi anat. 611.81314
Final utility
theory of wages 331.2153
Finale music form 781.50814
Finance
business management 658.14–.15
investment economics 332.6
private polit. econ. 332
production
see in Tables subhead, Financial questions, under specific types of production, e.g. 338.13
public
and city planning 711.15
of France polit. econ. 336.44
Japan " " 336.52
Wisconsin " " 336.775
etc.
[1] **political economy** 336
Finances
apiculture 638.1116
butter industry 637.216
cheese " 637.316
dairy " 637.116
domestic economy 647.1
farm economics 631.16
forestry 634.9284
lac industry 638.3226
library admin. of 025.11
government 023.36
local " 352.1
museum economy 069.64
[1] **university & college** 378
zootechny 636.0816
in other specific fields
[2] see subject —00032
Financial
administration civ. service 351.71
bills legis. procedure 328.376
crises political econ. 332.64
districts city plan. 711.552
institution bldgs
city planning 711.662
institutions archi. 725.24
management bus. meth. 658.15
mobilization mil. sci. 355.26
Financiers 332.069
[1] **biography** 923.3
Financing
enterprise bus. manage. 658.14
public gov't credit 336.344
Finches (Acromyodi) ornith. 598.81
Finders photography 771.37
Findlay, O history 977.1191
Fine arts 700
Fines
criminal law 343.2
disciplinary economics 331.14
lib. econ. 023.9
office " 651.4482
library finances 025.113
public finance 336.18
Fin-footed carnivora
mammalogy 599.745
Finger
alphabet
educ. of deaf & mute 371.912
bones anatomy 611.7179
joints " 611.7279
prints anthropometry 573.6
rings costume ornaments 391.7
weeder farming 631.3154
Fingerboard stringed instr.
music 787.6
Fingerprinting convicts 365.642
Fingers
anatomy, regional 611.977
lines on palmistry 133.6434
painting tools 751.34
signs on palmistry 133.6444
supernumerary surgery 617.36
surgery 617.57
Fingoland history 968.674
Finials
post lands. structures 717.83
roof construction 721.562
Finished parts, storage of
industrial management 658.7841
Finishes mot. veh. body 629.268
Finishing
machines weaving equip. 677.02854
materials mot. veh. 629.23237

Finishing (cont.)
motor vehicle mfg 629.2346
negatives photography 770.2838
painting trade 698.3
positives photography 770.2843
schools educ. of women 376.4
shop engineering works 621.795
weaving process 677.02824
see also special fibers
Finistère history 944.11
Finite
and infinite metaphysics 125
differences, calculus of 517.6
Finland history 947.1
Eur. w. 940.4375
Finney co., Kan history 978.144
Finnish language 494.541
of Volga languages 494.52
Finno-Permian languages 494.53
Ugric " 494.5
Fins aircraft constr'n 629.13433
Finsbury, London history 942.12
Fiorentino, Giovanni
Italian fiction 853.22
Firando island history 952.221
Fire
alarm boxes city plan. 711.727
alarms library equip. 022.94
public health 614.842
signals 654.7
and waterworks san. eng. 628.17
boats shipbuilding 623.826
chemistry 541.39
clays geology, economic 553.61
department local gov't 352.3
engines public health 614.846
pumping eng. 621.68
escapes archi. constr'n 721.868
public health 614.847–.848
extinction " " 614.843
folklore 398.31
Greek customs of war 399
houses architecture 725.191
city planning 711.661
insurance business 368.1
open
cooking dom. econ. 641.581
domestic heating 644.15
kitchen equipment 643.331
prevention
aircraft 629.1344
local government 352.3
motor vehicles 629.21362
public health 614.841
Fire (cont.)
protection
aircraft service 629.13844
airport equipment 629.1368
apparatus school equip. 371.629
forestry 634.9618
industrial equipment 658.284
library economy 022.25
museum " 069.29
student safety 371.714
waterfront city plan. 711.764
resistent construction
city planning 711.65
thermology 536.46
wall aircraft 629.13434
worship comp. relig. 291.2126
Parseeism 295
Firearms
fine arts 739.74
identification
public safety 351.753
ordnance 623.4
primitive ordnance 623.441
small
care of mil. eng. 623.4814
manufactures 683
military drill 355.541
equipment 355.82
ordnance 623.44
Fireballs astronomy 523.52
Firebodies (Pyrosoma) zool. 594.95
Firebox locomotive boilers 621.1332
Firedamp mining dangers 622.81
Fireless
cookers kitchen equip. 643.338
cookery domestic econ. 641.588
Firemen, libraries for 027.656
YMCA work with 267.369
Firenzuola, Agnolo
Italian fiction 853.34
Fireplace cooking
domestic economy 641.581
Fireplaces
architecture 729.95
building industry 697.1
domestic heating 644.15
fine arts 749.64
kitchen equipment 643.331
outdoor landscape art 717.9
Fireproof
buildings pub. health 614.841
columnar constr'n archi. 721.36
storage bldgs " 725.35

Fireproofing lib. bldgs 022.24
masonry 693.8
school bldgs 371.6278
Fires
administrative control 351.782
agricultural hindrances 632.18
and migration polit. sci. 325.13
industrial
prevention of econ. 331.823
mining dangers 622.82
protective agric. 632.115
public health 614.84
welfare work 361.56
Firetube steam boilers
mechanical engineering 621.18425
Fireworks
chemic technology 662.1
destructive ordnance 623.4543
illuminating " 623.4544
recreation 791.6
Firing apparatus ordnance 623.4242
ballistics 623.55
ceramics 738.14
devices mil. eng. 623.27
sculpture 731.47
steam power plant 621.1941
Firs, joint- (Gnetales)
botany 585.1
(Pinaceae) forestry 634.9754
First
aid industrial hygiene 331.822
logging camp 634.982257
public health 614.8
surgery 617.1
class car passenger rates
railways 385.132255
lessons English lang. 428.2
other " —82
Fiscal tariffs
political economy 337.2
Fisch process photography 772.23
Fischart, Johann Ger. wit 837.42
Fish
agricultural fertilizers 631.844
as food hygiene 613.29
commission boats
shipbuilding 623.826
commissions agric. 639.061
culture " 639.3
diseased or dead, and
pollution pub. health 614.763
diseases of vet. med. 619.9
domestic economy 641.392
Fish (cont.)
farms agriculture 631.146
flesh and fowl games 793.72
fresh state inspection 614.317
lice (Copepoda) zoology 595.345
markets domestic econ. 641.49
(Pisces) paleozoology 567
zoology 597
pond games 793.75
ponds landscape art 714.33
preservation chem. tech. 664.9
preserved
state inspection 614.319
silk industry 677.472
trade and pollution
public health 614.741
Fisher
compensated dollar
financial economics 332.56
Fort, NC, capture, 1865
US Civ. war 973.7383
naval hist. 973.755
exped., 1864
US Civ. war 973.7375
naval hist. 973.754
Fisheries
agriculture 639
aircraft service in 629.138639
economics 338.372
land economics 333.91
treaty, 1888 US hist. 973.85
Fishermen
occupational hygiene 613.64
YMCA work with 267.369
Fish-eye phot. fine arts 771.3192
Fishing
and forest policy agric. 634.925176
forest uses 634.9965
industry agriculture 639.2
sports 799.1
Fish-nets textile mfg 677.66
Fishplates railroad eng. 625.15
Fishtail burners
practical chemistry 542.44
Fismes Eur. w., 1918, May 940.4343
Aug. 940.4352
Fissidentales botany 588.2148
Fission
abnormal veget. teratol. 581.222
algae (Schizophyceae) bot. 589.8
fungi (Schizomycetes) " 589.95
reproduction physiology 612.6041
vegetable generation 581.1652
zoology 591.165
Fissipedia mammalogy 599.744

Fissura
  cerebri anatomy 611.813
  mediana spinalis " 611.8218
Fistulas
  biliary physiology 612.35711
  gastric " 612.3211
  intestinal " 612.3311
  lymphatic " 612.427
  pancreatic " 612.3411
  salivary " 612.31361
  surgery 617.23
Fittings, library 022.9
    museum 069.33
    office economy 651.465
    radio antennas 621.38413584
      equipment 621.38413388
    shipbuilding 623.85
Fitz-Adam, Adam, *pseud.*
  English essays 824.61
Fiume history 943.94
Five
  dynasties Chinese hist. 951.017
  Forks, Va, battle, 1865
    US Civil war 973.7384
  hundred card games 795.4
Fixation psychoanalysis 131.34124
Fixatives drawing equip. 741.3
    painting, art 751.25
Fixed
  tooth harrow farming 631.3131
  windows archi. constr'n 721.846
Fixing
  apparatus photography 771.43
  negatives " 770.2838
  solutions phot. chem. 771.547
Fixture cleaning dom. econ. 648.54
Fixtures
  immovable private law 347.2
  library 022.9
  lighting dom. econ. 644.32
    library bldgs 022.76
  museum 069.33
  office economy 651.22
Fizen history 952.221
Flaccus
  C V Lat. epic poet. 873.3
  Q H, *see* Horatius Flaccus
    Quintus
Flacourtiineae botany 583.139
Flag day school holiday 371.365
  etiquette heraldry 929.9
Flagella veget. morphol. 581.4733
Flagellae botany 589.97
Flagellants relig. order 271.79
Flagellariineae botany 584.41
Flagellary locomotion bot. 581.186623
Flagellata zoology 593.16
Flagellatae botany 589.974
Flagellates " 589.97
Flagellation
  religious asceticism 248
Flageolet wood instr. 788.5
Flagler co., Fla history 975.919
Flagpoles city planning 711.68
Flags
  advertizing novelties 659.137
  heraldry 929.9
  military science 355.15
    units 355.81
  national polit. sci. 320.18
[1] **presentations of Eur. w. 940.463**
  university & college 378.28
Flagstaff history 968.643
Flagstone pavements eng. 625.81
Flails agriculture 631.3611
Flamboyant Gothic archi. 723.5
Flame
  thermology 536.46
  Tokay grape vitic. 634.849
Flamenca Provençal poet. 849.123
Flames practical chem. 542.5
Flame-
  throwing devices ordn. 623.45431
    units mil. sci. 358.345431
Flaming arcs
  electric lighting 621.3256
Flamingo (Herodiones)
  ornithology 598.34
Flanders, Belgium history 949.3
    France " 944.28
  battle Eur. w., 1914 940.4213
    1917 940.4312
  dray horse (Equidae)
    domestic animals 636.1548
Flanging
  machinery mech. tools 621.984
Flanking defenses
  fortifications 623.117
Flannels manufactures 677.62
Flap doors archi. constr'n 721.836
Flares
  guiding airport equip. 629.1365
  landing aircraft " 629.13518
Flaring domes
  arched construction 721.46
Flash cards educ. meth. 371.32
Flashes
  psychology of reflection 153.4

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Flashlight phot. f. arts 771.448
Flasks practical chem. 542.231
Flat
arches archi. constr'n 721.421
segmental
archi. constr'n 721.413
diatoms (Pennatae) bot. 589.623
roofs archi. constr'n 721.592
storage of records
office files 651.542
vaults arched constr n 721.451
Flat-bed irrigation
sewage disposal 628.363
Flatboats shipbuilding 623.829
Flatheaded
borer (Coleoptera)
agricultural pests 632.76
goat (Bovidae) dom. anim. 636.3938
Flatirons laundry business 648.42
Flats architecture 728.22
domestic economy 647.92
Flattery ethics 177.3
Flatwoods
district, Miss. history. 976.291
NC " 975.61
Flatworms
(Platyhelminthes) zool. 595.12
Flaubert, Gustave Fr. fict. 843.84
Flavoring
butter industry 637.2335
herbs garden crops 635.7
plants field " 633.82
Flavorings chemic tech. 664.5
Flax
braid manufactures 677.75
harvesters agriculture 631.3585
harvesting 631.5565
(Linaceae) cordage mfg 677.71
field crops 633.52
textile mfg 677.11
Mauritius (Amaryllidaceae)
field crops 633.573
New Zealand (Liliaceae)
cordage mfg 677.71
fiber crops 633.572
textiles dom. econ. 646.12
Flea-lice (Psyllidae)
entomology 595.7527
Fleas (Aphaniptera)
agricultural pests 632.775
pathology 616.9681
Flèches roof constr'n 721.574
Fleece, Order of the Golden
heraldry 929.715
Fleets naval engineering 623.8
science 359
Fleming, Paul Ger. poet. 831.52
co., Ky history 976.956
Flemish cattle (Bovidae)
domestic animals 636.2451
draft horse (Equidae)
domestic animals 636.1548
[4] **language 439.32**
painting f. arts 759.9493
Flesh-fly (Brachycera)
entomology 595.772
Fletcher
Giles & Phineas
English poetry 821.37
John English drama 822.35
Mount history 968.636
Fleur-de-lis (Iridaceae)
botany 584.24
Flexor
accessorius anat. 611.7389
carpi radialis " 611.73751
ulnaris " 611.73753
digiti quinti brevis
foot anatomy 611.7389
hand " 611.73776
digitorum brevis anat. 611.7389
longus " 611.73858
profundus " 611.73755
sublimis " 611.73754
hallucis brevis " 611.7389
longus " 611.73859
pollicis brevis " 611.73773
longus " 611.73756
Flexure astron. instr. 522.38
Flickertail state (ND) hist. 978.4
Flies
agricultural pests 632.77
and contagious diseases
public health 614.43
artificial
fishing sport 799.12
destruction of
aircraft service 629.138612
(Diptera) entomology 595.77
domestic pests 648.7
ichneumon (Entomophaga)
agriculture pests 632.792
Flight
into Egypt Christology 232.926
of birds, migratory
animal ecology 591.52
physiol. of locomotion 612.768
[1] **records aeronautics 629.1309**

Flights, interplanetary
aeronautics 629.1388
Fligo history 952.225
Flindersioideae (Rutaceae)
botany 583.23
Flint, Wales history 942.935
Flint
arms weapons 399
chips, paleolithic
archeology 571.15
implements, neolithic
archeology **571.24**
Flirting ethics 177.6
Floaters steam boilers 621.18472
Floating
apiary agriculture 638.1114
debt public finance 336.32
docks shipbldg 623.83
schools education 371.392
wheels mech. eng. 621.235
Floats aircraft constr'n 629.1343842
use in advertizing 659.135
Flock books zootech. 636.0822
zootechny **636.082**
Flocks wool industry 677.313
Flogging
criminal law 343.2
military science 355.133
prison punishments 365.644
school discipline 371.55
Flood control and forests
agriculture 634.9224
prot'n city planning 711.67
Floodgates mech. eng. 621.29
Flooding military defense 355.45
mining dangers 622.84
Floods
agricultural hindrances 632.17
and migration
political science 325.13
plant succession
botany 581.524326
forest ecology 634.94724
hydraulic engineering 627.4
library dangers 022.29
meteorology 551.57
welfare work 361.52
Floor
coverings
architecture **721.6**
domestic economy 645.1
library fittings **022.96**
motor vehicle body 629.2654
office economy **651.241**
Floor (cont.)
load library stacks 022.438
plans architecture 729.21
space industrial archi. 658.234
systems bridge eng. 624.25
traders stock exchange 332.62
Floors
and flooring
carpentry 694.6
library stacks **022.435**
hyg. of dwellings 613.593
school bldgs 371.633
architectural constr'n **721.6**
interior decoration **747.4**
Flor and Blancheflor
folklore 398.21
Flora
botany **580**
fossil paleontology 561
[1] **geographic distrib. of** **581.9**
insular geog. bot. **581.91**
of Asia " " **581.95**
Austria " " **581.9436**
Wisconsin " " **581.9775**
etc
see also Botany, Plants
Floral
decoration fine arts 747.93
designs floriculture 635.9664
games recreation 791.2
perfume plants agric. 633.811
regions veget. ecol. 581.5272
Floraphone system radio 621.3841595
Florence, city, It. hist. 945.5
co., SC " **975.784**
Wis " 977.532
Florentine
pigeons, amalgamated
(Columbae) agric. 636.59628
receivers prac. chem. 542.66
Florian, J P C de
French fiction 843.58
Floriculture
gardening **635.9**
in Arizona agriculture 635.909791
Babylonia " 635.909354
Japan " **635.90952**
etc.
landscape art **716.2**
Florida
grape viticulture 634.8486
parishes, La. history **976.31**
purchase US " 973.54
ship US Civil war 973.757

Florida (cont.)
state
admission US hist. 973.58
expedition, 1864
US Civil war 973.7364
history **975.9**
see note under Virginia
secession US hist. 973.713
war, 1835–42 " " 973.571
Florideae botany **589.411**
Florina European war 940.4285
Floristics botany **581.527**
Floss wool industry 677.313
Flotation hydrostatic 532.3
shipbuilding 623.81
Flounder (Anacanthini)
ichthyology 597.56
Flour
adulterations 614.312
and water sculpt. f. arts 731.257
mills architecture **725.47**
manufactures 679
painting medium 751.24
Flow of liquids
hydraulics 532.51
Flower
anatomy of botany **581.4632**
differentiation " 581.46313
forms, carved archi. 729.51
painted " 729.41
gardens landscape art 712.626
language 398.3
lands. art 716.2014
origin botany 581.46312
shows, cut floriculture 635.9665
floriculture 635.9655
Flowering
herbs botany 582.13
of plants floric. **635.953**
plant growth 631.5474
plants botany **583–584**
house floric. 635.96523
rush (Butomineae) botany 584.73
shrubs floriculture 635.97632
trees landscape art 715.272
vines " " 715.472
Flowerless plants
(Cryptogamia) botany **586**
Flowers
art anatomy 743.76
artificial
advertizing novelties 659.137
paper arts & crafts 745.54
wax fancywork 746.8
Flowers (cont.)
color in botany 581.157
floriculture **635.9782**
cut " 635.966
double veget. morphol. 581.4636
edible garden crops **635.3**
floriculture **635.9**
for lawn floriculture 635.964
grape viticulture 634.848109
herbaceous lands. art **716.2**
in art 704.9434
landscape art 715.1744
national heraldry 929.8
odor in floriculture **635.9783**
painting **758.42**
seasoning garden crops 635.71
table decoration 642.8
veget. generatory organs **581.463**
wild botany 582.13
Flows sewerage eng. **628.22**
Floyd co., Ga history **975.835**
Ind " 977.219
Ia " 977.726
Ky " 976.922
Va " 975.571
Flu, *see* Influenza
Fluctuation money supply 332.414
value 332.413
Fluctuations, commercial
sociology **380.124**
Flues sewer ventilation 628.233
smoke bldg indus. 697.8
steam boilers 621.18457
Fluid vein hydraulics 532.52
Fluidic body spiritism 133.923
Fluids
effects on plants bot. **581.52227**
freezing refrigeration 621.564
hydraulics **532**
Flukes (Trematoda) pathol. 616.963
Flumes mechanical eng. 621.29
Fluming logging 634.982545
Fluorescence optics 535.3
Fluorescent screen phot. 778.34
Fluorin
chemistry 546.16
compounds mineralogy 549.4
Fluorotypes photography 772.16
Flushing shafts
sewerage engineering 628.254
Flute grafting agric. 631.5415
wood instrument 788.5
Flutina music instrument 786.9

Fluting
columnar construction 721.38
irons laundry business 648.43
Fluvanna co., Va history 975.547
Fluviales botany 584.72
Fluxes metallurgy 669.8
Fluxions calculus 517
Fly frames textile equip. 677.02852
see also special fibers
Spanish
see Cantharides, Flies
wheels
motor veh. engine 629.2526
Flycatcher (Acromyodi)
ornithology 598.81
Fly-fishing sports 799.12
Fly-fungi
(Entomophthorineae) bot. 589.282
Flying
animal locomotion 591.47
avigation 629.13252
buttresses
architectural constr'n 721.426
continuous
arched constr'n 721.455
Dutchman occultism 133.15
grounds aeronautics 629.136
machines engineering 629.133
sorcery 133.42
Flying-fish (Teleostei)
ichthyology 597.5
Fly-mold
(Entomophthorineae) bot. 589.282
Focal plane cameras phot. 771.3132
Focimeter lenses 535.81
Focus
adjusters
motor vehicle lighting 629.2715
depth of phot. lenses 771.352
Focusing
apparatus photography 771.37
photography 770.282
Fodder, dry zootechny 636.08554
green, storing agric. 631.563
zootech. 636.08551
plants econ. bot. 581.633
Foehn meteorology 551.51
Foetidioideae
(Lecythidaceae) bot. 583.423
Fog aeronautics 629.13247
hygiene 613.14
meteorology 551.57
signals
communications 654.9
radio in navigation 621.38419135
Fogazzaro, Antonio
Italian poetry 851.85
Foggia history 945.75
Fogging
photographic negatives 770.2852
sensitometry 771.5345
Foil fencing sports 796.863
Foiled arches
architectural constr'n 721.427
Foix history 944.88
Fokke, Arend Dutch wit 839.3174
Foldboating sports 797.12
Folders direct advertizing 659.133
Folding
appliances office equip. 651.267
cameras photography 771.314
doors archi. constr'n 721.836
seats manufactures 685.535
Folds architecture 728.943
geology 551.87
Folengo, Girolamo It. wit 857.31
Folgore da San Gemignano
Italian wit 857.11
Foliage
as fodder forest uses 634.9948
cut landscape art 716.1758
forest products 634.9891
forms, carved archi. 729.51
painted " 729.41
landscape art 715.1742
plants floriculture 635.975
house floric. 635.96526
landscape art 716.17362
shrubs floriculture 635.97634
vegetable morphology 581.497
Foliated arches
architectural constr'n 721.427
Folie circulaire medicine 616.8953
psychol. 132.1953
Folio shelving lib. econ. 022.445
Folk highschools education 374.9
Folk-dances recreation 793.31
Folklore 398
Folk-songs folklore 398.8
of Brazil 784.4981
Germany 784.4943
Scythia 784.493951
etc.
Folkvisor Swed. poetry 839.7114
Folle grape viticulture 634.8544
Follow the leader
children's games 796.14
Follower pile foundations
architecture 721.156

Follow-up
cards Sunday schools 268.52
letters office econ. 651.757
system adver. campaigns 659.113
buying methods 658.75
labor economy 331.125
Fond du Lac co., Wis hist. 977.568
Fontainebleau
Barbizon school painting 759.437
grape viticulture 634.849
history 944.37
Fontana, spaces of anat. 611.8415
Fontanels " 611.7141
Fontanes, J P Fr. poet. 841.62
Fontenelle, Bernard le
Bovier de Fr. essays 844.51
Fontinalineae botany 588.21533
Fonts architecture 729.913
ecclesiology 247.1
Foochow, China history 951.2452
Food
acquisition
biology 574.131
physiologic botany 581.131
zoology 591.131
adulterations
public health 614.31
zootechny 636.0859
albuminoids in physiol. 612.3987
and respiration " 612.224
saliva " 612.3132
work psychology 158.736
animal ecology 591.53
economic zool. 591.63
zootechnic use 636.0876
apiculture 638.1445
artificial physiol. 612.3929
assimilating processes
physiologic botany 581.1334
assimilation
biology 574.133
physiologic botany 581.133
zoology 591.133
physiology 612.39
biology 575.33
canned state inspection 614.318
carbohydrates in
physiology 612.3967
cellular veget. cytol.. 581.8742
chemic analysis 543.1
technology 664
commercial value of
zootechny 636.0854
Food (cont.)
composition zootechny 636.0851
cost of domestic econ. 641.31
zootech. " 636.08171
cures therapeutics 615.854
distribution
at school
child welfare 362.761
physiologic botany 581.114
domestic economy 641
fat in physiology 612.3977
feeding for zootechny 636.08452
for cows dairy indus. 637.122
special classes hyg. 613.21
fresh state inspection 614.316
hygiene 613.2
ingredients
inorganic dom. econ. 641.15
organic " " 641.11
inspection pub. health 614.31
nutritive value of
zootechny 636.0852
of bees apiculture 638.12153
laboring classes
economics 331.834
physiology of nutrition 612.392
poor relief 362.54
prepared zootechny 636.08557
preparation " 636.0856
preservation chem. tech. 664.8
dom. econ. 641.48
preserved
state inspection 614.318
prisoners' sociology 365.664
quality dom. econ. 641.31
raising for zootechny 636.0883
rationing physiology 612.394–.395
zootechny 636.08441
reserves, types of
physiologic botany 581.13385
saps forest products 634.9867
ships shipbuilding 623.826
standards
pure public health 614.3
zootechny 636.085
storage physiol. bot. 581.1338
stores architecture 728.93
substitutes physiol. 612.3929
substitutions zootech. 636.08445
supply
and migration polit. sci. 325.13
services mil. admin. 355.65

Food (cont.)
translocation
physiologic botany 581.114
use of zootechny 636.0856
value
thermodynamic physiol. 612.3925
see also names of specific food elements
values dom. econ. 641.1
vegetable ecology 581.53
econ. bot. 581.63
vessels, neolithic
archeology 571.27
zootechny 636.086–.087
Foodstuffs cookery 641.6
dom. econ. 641.3
economics 338.1
Foolishness childstudy 136.7622
medicine 616.8
psychology 132.2
Fools biography 920.8
social customs 394.2
Foot anatomy, regional 611.986
arteries anatomy 611.13793
bones " 611.7188–9
care zootechny 636.0834
English prosody 426.3
other lang. —63
maneuvers
military training 355.541
metrology 389
muscles anatomy 611.7387
races athletics 796.42
surgery 617.58
troops mil. sci. 356
veins anatomy 611.14739
Football
fields landscape art 712.547633
school hygiene 371.74–.75
sports 796.33
Footbridges city planning 711.74
Foote, Samuel Eng. drama 822.62
Footings wall constr'n 721.25
Footmen domestic economy 647.3
Footpaths lands. constr'n 713.73
Footprints
fossil paleozoology 566
in ashes divination 133.333
Footstools artistic furn. 749.31
domestic econ. 645.41
Footways city planning 711.74
Footwear domestic econ. 646.46
Forage crops agriculture 633.2–.3
zootechny 636.0862
Foramen interventriculare
anatomy 611.8148
Foraminifera zoology 593.12
Force
and energy statics 531.2
centrifugal and
centripetal dynamics 531.35
composition of statics 531.22
conservation of physics 531.6
cosmology 118
intermolecular physics 539.6
magnetic " 538.1
measure of statics 531.21
pump pneumatics 533.84
repulsive astronomy 523.17
transmission of
mechanical engineering 621.8
mechanics 531.8
Forced loans pub. debt 336.344
Forceps
surgery 617.91
use of obstetrics 618.81
weeding farming 631.3154
Forcing
floriculture 635.987
houses, *see* Houses, forcing
plant culture 631.544
Ford, John Eng. drama 822.38
co., Ill history 977.362
Kan " 978.176
Forearm anat., regional 611.974
arteries anat. 611.1343
muscles " 611.7373
Forebrain anatomy 611.813
Forecasts
commercial sociology 380.123
Foreclosure private law 347.2
Foreconsciousness psychol. 153.8
Forecourts church archi. 726.591
Foregrounds lands. art 712.28
painting 751.41
Foreign
advertizing business 659.113
affairs, dept of
see State dept
[1] **authors bibliography** 013.9
[1] **banking fin. econ.** 332.15
[1] **central governments** 354
competition, unfair
tariff wars 337.38
elements Eng. etymol. 422.4
other lang. —24
enlistment mil. sci. 355.22
exchange fin. credit 332.77
money 332.45
help domestic econ. 647.24

Foreign (cont.)
income taxation 336.248
labor economics 331.62
language periodicals
journalism 070.484
[1] law jurisprudence 349
legion French gov't 354.44066
military science 355.31
loans public debt 336.343
missions religion 266
[1] offices journalism 070.39
relations
international law 341
of Canada polit. sci. 327.71
Turkey " " 327.56
US " " 327.73
etc.
[1] political science 327
[1] states central gov't 354
study
international schools 371.391
scholarships
school tuition 371.223
university & college 378.34
trade commerce 382
zones " 387.133
wars of the US
Military order of 369.115
see also International
Foreigners
[1] education of 371.98
income of taxation 336.247
[1] libraries for 027.63
naturalization 323.62
textbooks for
[3] English lang. 428.24
French " 448.24
German " 438.24
etc.
YMCA work with 267.364
see also Aliens, Immigrants
Foreknowledge doc. theol. 231.4
Foremanship labor econ. 331.124
Foremen, training of econ. 331.86
Forenave church archi. 726.592
Forensic med. & chem. law 340.6
pub. health 614.23
see also Autopsy
Foreordination
and free will soteriol. 234.9
Forest
areas regional planning 711.32
cattle (Bovidae)
dom. anim. 636.221
Forest (cont.)
county, Pa history 974.868
Wis " 977.531
fires agric. hindrances 632.18
forestry 634.9618
formations veget. ecol. 581.52642
grape viticulture 634.8445
improvements forestry 634.934
normal forest manage. 634.928325
patrol aircraft service 629.13844
per cent determination
forestry 634.928433
plants, nectariferous
apiculture 638.1327
policy
agriculture 634.925
of Bolivia agric. 634.92584
Peloponnusus " 634.925386
US " 634.92573
etc.
products, economics of 634.927
utilization of 634.98
reserves agriculture 634.92511
nat. landscape 719.332
species geog. distrib. 634.9478
surveys forestry 634.928332
tables tree mensuration 634.928546–547
types
origin & development 634.94823
silvics 634.9482
uses forestry 634.98–.99
values vs agricultural 634.928435
vegetation, accessory 634.949
waste products 634.9898
Forestation silviculture 634.956
Foresters, Ancient order of 366
Forestry
agriculture 634.9
and industry agric. 634.924
applied landscape art 715.25
engineering 634.93
esthetic lands. art 715.241
nat. lands. 719.332
in France agriculture 634.90944
Sarmatia " 634.9093981
Wisconsin " 634.909775
etc.
public aid to agric. 634.92513
schools 634.9071
Forests
administrative regulation 351.823
conglomerate 634.978
control & supervision of
agriculture 634.9252

Forests (cont.)
gov't regula. of private
agriculture 634.92518
grazing zootechny 636.08423
haunted folklore 398.32
importance of agric. 634.92514
in farming forestry 634.993
influence of agric. 634.922–.923
land economics 333.75
mixed 634.977–.978
natural landscapes 719.233
physiography 551.58
public use of agric. 634.92517
reclamation of " 631.614
valuation of forestry 634.928424
see also Trees
Forfar history 941.31
Forfeit games 793.5
Forfeitures criminal law 343.2
public finance 336.18
Forficulidae (Dermaptera)
agricultural pests 632.721
Forge bellows pneumatics 533.87
shop eng. works 621.73
Forgemen's occupation hyg. 613.64
Forgery
criminal law 343
financial economics 332.9
museum economy 069.54
univ. & col. degrees 378.26
see also Frauds
Forges architecture 725.433
Forget-me-not
(Boraginaceae) bot. 583.77
Forgetting psychology 154.5–.8
Forging
blacksmithing 682
ironwork, ornamental 739.44
machinery, hydraulic
mechanical eng. 621.266
metal arts 739.14
motor vehicle mfg 629.2345
Forgiveness of sin
doctrinal theology 234
Forking tillage 631.511
Forks, digging farm tools 631.3114
hay agriculture 631.3535
tuning acoustics 534.3
weeding farming 631.3154
Form
and color painting 752.4
definite, and attention
psychology 152.723226
Form (cont.)
factors
forest mensuration 634.928548
letters
office correspondence 651.756
sales methods 658.825
musical 781.5
ontology 111
tests eng. materials 620.1128
variation viticulture 634.8365
Formal steps, Herbartian
educational methods 371.32
Formaldehyde disinfection
pub. health 614.484
org. chem. 547.5
Format publishing 655.53
Formate cellulose
silk industry 677.465
Formatio reticularis
medullae spinalis anat. 611.8226
Formations veget. ecol. 581.5262
Formboard tests psychology 151.23
Formentera history 946.7
Formerets
vaulting constr'n 721.456
Formicidae entomology 595.796
Formosa Chinese hist. 951.249
Jap. " 952.9
[4] **Formosan language 499.212**
Forms
business management 658.02
common legal procedure 347.93
for storage records
industrial management 658.783
legal law 340.2
suggested by numbers
psychology 152.7714
theory of algebra 512.87
in other specific fields
[2] see subject —083
Formularies pharmacy 615.13
Formulas and Formularies
[2] in spec. fields see subj. —0832–3
see also Prescriptions, Receipts
Forney co., Neb history 978.2278
Fornication crim. law 343
Fornix anatomy 611.8139
Forrest, N B, exped., 1864
US Civil war 973.7361
Forrest co., Miss. history 976.218
Forsyth co., Ga " 975.8265
NC " 975.667
Forsythia (Oleaceae) bot. 583.71

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Fort
Beaufort history 968.761
Collins, Colo " 978.8681
Dearborn, Ill
massacre, 1812 hist. 977.311
Dodge, Ia history 977.7511
Hall
Africa " 967.64
Indian reservation
Idaho history 979.651
Kearney state hist. park
Neb history 978.2394
McPherson mil. cemetery
Neb history 978.282
Niagara, *see* Niagara, Fort
Riley, Kan history 978.1291
Scott, " " 978.1971
Sill mil. reservation
Okla history 976.648
Smith, Ark history 976.7361
Wayne, Ind " 977.274
William " 971.3125
Forteguerri, Niccolò
Italian wit 857.58
Forteventura history 964.96
Fortifications
city planning 711.67
concrete military eng. 623.123
military engineering 623.1
permanent mil. eng. 623.12
temporary " " 623.15
tactics 355.424
Fortified
churches architecture 726.52
positions mil. eng. 623.133
towns city planning 711.414
zones military science 355.45
Fortress
artillery ballistics 623.553
ordnance 623.416
maneuvers military sci. 355.52
mounts ordnance 623.433
Fortresses architecture 725.183
Forts
architecture 725.183
in France mil. eng. 623.1944
Germany " " 623.1943
Nineveh " " 623.19352
etc.
military science 355.45
systems of mil. eng. 623.13
Fortune
line palmistry 133.6432
telling
by dreams psychology 135.382
graphologic
characterology 137.72
occultism 133
recreation 793.8
Fortunella japonica
(Rutaceae) fruitculture 634.324
Fortunes wealth distrib. 339.24
Forty-five card games 795.42
Forums landscape art 712.524
Foscolo, Ugo It. poet. 851.66
Fossa (Cryptoproctidae)
mammalogy 599.74425
(Viverridae)
mammalogy 599.74422
Fossil resins and gums
geology, economic 553.29
Fossils paleontology 560
Fossombronioideae bot. 588.312
Fossoria entomology 595.797
Foster homes and juvenile
courts criminology 364.528
Fothergill process phot. 772.14
Foucault's pendulum
astronomy 525.36
Foul brood bee diseases 638.1543
Foulard manufactures 677.02864
see also special fibers
Foundation
road engineering 625.73
walls landscape art 717.84
Foundations
architectural constr'n 721.1
associations, etc.
in specific fields
[2] see subject —062
bridge engineering 624.15
for poles elec. lines 621.319223
steam boilers 621.18457
Founders and patriots of
America, Order of the 369.125
Foundling asylums archi. 725.58
sociol. 362.72
Foundlings childstudy 136.767
Foundries architecture 725.433
engineering wks 621.74
metal mfg 671
mot. veh. " 629.2344

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Fountain
county, Ind history 977.247
pens office fittings 651.4653
Fountains city planning 711.68
landscape art 714.32
lib. decoration 022.349
Fouqué, F H K La Motte
German fiction 833.65
Fouquieraceae botany 583.762
Four
wheel drive mot. veh. 629.2454
wire elec. transmission
alternating eng. 621.3191324
year highschools
2dary education 373.232
Fourca grape vitic. 634.8544
Four-color theories
physiology of vision 612.84330164
psychology " " 152.1330164
Fourierism socialism 335.32
Four-o'clock
(Nyctaginaceae) bot. 583.9153
Four-step dances 793.34
Fourth
class car passenger rates
railways 385.132255
dimension cosmology 115.4
geometry 513.82
metaphysics 115.4
physics 530.1
spiritism 133.922
of July school holiday 371.365
soc. customs 394.268
US history 973.313
anniversaries 973.361
Foussa, *see* Fossa
Fouta Jallon history 966.54
Fowling hunting sport 799.24
Fowls, domestic (Gallinae)
agriculture 636.5
ornithology 598.2
Fox, C J Eng. oratory 825.63
and geese games 794.2
farms agriculture 636.9
grape
vitis cordifolia
agric. 634.8445
labrusca
agric. 634.847
rotundifolia
agric. 634.8481
Foxes (Canidae) mammalogy 599.74442
Foxtail (Amarantaceae) bot. 583.9131
Foyers church archi. 726.591
Fractables wall constr'n 721.277
Fractional coins
financial economics 332.419
Fractions algebra 512.4
arithmetic 511.4
Fractures surgery 617.15
Fränkischer grape, red
viticulture 634.85436
Fragaria (Rosaceae) fruitc. 634.75
Fragilarioideae botany 589.6236
Fragmentation
vegetable generation 581.1652
Fragrant plants floric. 635.97832
Framboesia pathology 616.52
Frame aircraft constr'n 629.13431
harrow farming 631.3131
Framed doors
architectural constr'n 621.837
Frames
advertizing on bus. 659.137
cold- floriculture 635.984
door & window
archi. constr'n 721.862
motor vehicle body 629.262
chassis 629.242
top 629.2662
photographic mounting 771.46
printing 771.42
picture artistic furn. 749.72
spinning textile equip. 677.02852
see also special fibers
Framing carpentry 694.2
photography 770.2864
shipbuilding 623.84
Franc grape, hybrid
viticulture 634.84909
France
campaign, 1918 Eur. w. 940.434–.436
eastern, campaign
1914 Eur. w. 940.4218
1915 " " 940.4244–5
1916 " " 940.4273
1917 " " 940.4318
history 944
Little church of
[1] **Catholic schisms 284.83**
maritime disputes with
1798-1801 US hist. 973.45
northern, campaign
1914 Eur. w. 940.4214–7
1915 " " 940.4242–3
1916 " " 940.4272
1917 " " 940.4314–7
Franceville history 967.23

Franche-Comté
history 944.45
sheep (Bovidae) dom. anim. 636.3443
Franchise
commercial regulations 380.1682213
suffrage 324
Franchises
business expenses 658.1715
municipal pub. admin. 352.8
public finance 336.11
see also Concessions, Licenses
Francis de Sales, St
Oblates of mon. ord. 271.76
sisterhood relig. ord. 271.975
see also François, Franz
Franciscan
brotherhood relig. ord. 271.3
sisterhood " " 271.973
Franco-German war
French history 944.08
German " 943.082
François 1 French hist. 944.028
2 " " 944.029
Franconia
history 943.31–.33
house of German hist. 943.022–.023
Franconian
sheep (Bovidae) dom. anim. 636.3333
swine (Suidae) " " 636.431
Frankeniaceae botany 583.151
Frankfort
Kentucky hist. 976.9431
Orange Free State " 968.54
on-the-Main history 943.58
Oder " 943.15
Franking privilege
legislatures 328.347
library aid 021.862
mail service 383
Frankland
state (Tenn) **history** 976.8
Franklin
county, Ala history 976.191
Ark " 976.734
Fla " 975.991
Ga " 975.8135
Ida " 979.642
Ill " 977.394
Ind " 977.215
Ia " 977.728
Kan " 978.166
Ky " 976.943
Me " 974.17
Mass " 974.42
Miss. " 976.227
Franklin (cont.)
county (cont.)
Mo history 977.863
Neb " 978.2377
NY " 974.755
NC " 975.654
O " 977.156
Pa " 974.844
Tenn " 976.863
Vt " 974.313
Va " 975.568
Wash " 979.733
Mrs C, color theory
physiol. of vision 612.843301644
psychol. " " 152.13301644
parish, La. history 976.377
state (Tenn) " 976.8
Tenn, battle, 1864
US Civil war 973.7379
Territory, Can. hist. 971.29
Franks " 943.01
Franz 1 German " 943.055
2 " " 943.06
Franzén, F M Swed. poet. 839.7158
Fraserburg history 968.745
Fraternal organiza. bldgs
architecture 728.46
Fraternities student life 371.855
Fraters architecture 726.794
Frauds
electoral suffrage 324.27
fertilizers 631.818
fine arts 708.00885
literary 809
occultism 133
painting 751.58
private law 347.5
quackery 133.7
tariff violations 336.268
taxation, indirect 336.2718
Fraudulent
advertizing business 659.118
counting elections 324.275
securities fin. econ. 332.63
voting elections 324.272
Fraunhofer's lines optics 535.84
Frazil-ice 551.31
Freak transmission radio 621.384115
Freckles pathology 616.55
Frederick co., Md hist. 975.287
Va " 975.599
Fredericksburg, Va
battle, 1862
US Civil war 973.7339
history 975.5366
Fredericton, NB history 971.551

Free
association psychoanal. 131.3424
Baptists sect. hist. 286.2
church 285.6
cities
German government 354.4308
Hanseatic Ger. hist. 943.5
Italian history 945.04
coinage money 332.46
colonies poor relief 362.36
delivery
library accessions 025.233
exchange production 338.018
importation tariff 337.8
list " 337.8
love ethics 173.1
medicine welfare work 361.1
oscillation systems
radio 621.384152
ports & zones tariff 337.87
commerce 387.133
[1] **public libraries** 027.4
arguments for & against 021.01–.02
school system educ. 379.1
soil party
organized, 1848
US history 973.61
US politics 329.6
speech polit. science 323.443
thinkers, relig. biog. 922.91
trade tariff 337.1–.2
transport of passengers
railways 385.13226
tuition education 371.221
will
and grace doc. theol. 234.115
predestination
soteriology 234.9
psychology 159.1
zone, Mexico history 972.1
zones commerce 387.133
Freebooting
criminal law 343
history of piracy 910.4
Freeborn co., Minn hist. 977.618
Freedmen, education of 371.974
slavery 326.8
Freedmen's bureau
US Civil war 973.714
welfare work 361.3
Freedom
academic
education 371.1
political science 323.444
university & college 378.121
metaphysics 123
Freedom (cont.)
of art polit. science 323.447
consumption
political economy 339.47
labor
economic theory 331.011
government support 331.9
industrial disputes 331.891
see also Right to work
press journalism 070.13
polit. sci. 323.445
pub. order 351.751
stage polit. sci. 323.446
teaching
education 371.1
univ. & college 378.121
the seas int'l law 341.57
will criminology 364.34
psychology 159.1
personal doc. theol. 233.7
polit. sci. 323.44
religious, *see*
Liberty of conscience
Freehold
land economics 333.32
societies econ. 334.1
private law 347.2
Freeman's farm battle
American revolution 973.3333
Freemasonry secret soc. 366.1
Freemont, city, Neb hist. 978.2236
Freeport, Ill " 977.333
Free-will Baptists
[1] **sectarian history** 286.2
Freetown " 966.41
Freezing
action of
engineering materials 620.1122
agricultural hindrances 632.11
effect veget. ecol. 581.54224
food preservation
chemic technology 664.8
domestic economy 641.48
mixtures refrigeration 621.564
process
archi. foundations 721.174
bridge engineering 624.1574
thermology 536.43
waterworks 628.15
Freight
air transport 387.7
and express services
ocean transport 387.5453
railways 385.253

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Freight (cont.)
and passenger services
ocean transport 387.5452
railways 385.252
business 656
car factories archi. 725.454
cars railway eng. 625.24
elevators mech. " 621.87772
ferries commerce 386.63
houses, railway archi. 725.32
rates railways 385.1324
waterways 386.1324
service aircraft 629.13825
ocean transport 387.544
railways 385.24
trucks
motor vehicles 629.2242
operation 629.284
yards city planning 711.753
Freighters
oceanic commerce 387.24
shipbuilding 623.824
Freiligrath, Ferdinand
German poetry 831.78
Fremont
county, Colo history 978.853
Ida " 979.656
Ia " 977.777
national forest, Ore
description 917.9593
Frémont, J C
in Calif. US history 973.6232
French
and Indian war
Canadian history 971.018
US " 973.26
arches archi. constr'n 721.421
bean (Fabaceae)
garden crops 635.652
Broad River, Tenn hist. 976.8895
Canada " 971.4
Canadian cattle
(Bovidae) dom. anim. 636.2832
Cochin China hist. 959.7
discoverers Amer. " 973.18
doors archi. constr'n 721.846
East Africa hist. 967.71
Equatorial " " 967.2
horn brass instr. 788.41
Indo-China hist. 959
intervention Mex. " 972.07
[4] **language 440**
mil. aid Amer. revol. 973.347
[4] **old philology 447.01**
French (cont.)
philosophers 194
protestants, persecution of church hist. 272.4
régime Canadian " 971.01
republic, 1st " 944.042
2d " 944.07
3d " 944.08
revolution, 1789 " 944.04
1830 " 944.063
1848 " 944.07
roofs archi. constr'n 721.592
Somali Coast history 967.71
spinach (Chenopodiaceae-Atriplex) garden crops 635.43
spoliations, 1798–1801
US history 973.45
Sudan history 966.2
turnip (Brassicaceae)
garden crops 635.127
wars, 1689–1763
US history 973.25–.26
West Africa history 966.1
windows archi. constr'n 721.846
Frenchman Hills
Washington history 979.732
Freneau, P M Amer. poet. 811.24
Frenzy, ecstatic psychol. 132.54
Frequency
carrier wired radio 621.3841574
changers " 621.38413191
converters
asynchronous elec. eng. 621.31367
synchronous " " 621.31355
high
alternator syst. radio 621.3841531
alternators " 621.3841314
bridge
radio measurements 621.38417126
modulated syst. radio 621.3841524
oscillographs
radio measurements 621.38417127
waves radio 621.384111
low
modulated syst. radio 621.3841523
waves " 621.384111
measurement " 621.3841715
meters elec. eng. 621.3747
radio 621.38413343
modulation syst. radio 621.384152
polygon
psychol. measurements 151.264
radio antennas 621.38413512
circuits 621.384121

Frequency (cont.)
raiser system radio 621.3841532
system " 621.384151
tables statistics 311.26
Frere, Mt history 968.635
Fresco
painting technic f. arts 751.44
paintings " " 751.73
surface mediums
painting 751.244
Frescos
decorative
architecture 729.492
ecclesiology 247.5
fine arts 747.32
library buildings 022.344
school " 371.636
painting bldg indus. 698.2
Frese, Jacob Swed. poet. 839.7137
Fresh
air
mission welfare work 361.2
schools education 371.718
water
[1] **fauna geog. zool.** **591.929**
fishing agric. 639.21
[1] **flora geog. bot.** **581.929**
Freshets meteorology 551.57
Freshman week education **371.21**
Fresno co., Calif. hist. **979.482**
Fresnoy-le-Grand Eur. w. 940.4315
Fretwork
furniture fine arts 749.5
painted interior dec. 747.32
Freud school psychoanal. 131.3462
Frey process photography 775.7
Freytag, Gustav Ger. fict. 833.82
Frezzi, Federigo It. poet. 851.21
Friaries architecture 726.74
church history **271**
Friars
Austin Augustinians 271.4
Black Dominicans 271.2
minor Franciscans **271.3**
reformed " 271.33
Friction
clockwork 681.1125
clutches mech. eng. 621.825
gearing " " 621.858
laws mechanics 531.43
materials mot. veh. 629.23238
mechanical engineering 621.89
of toothed gears
mechanical eng. 621.832
Friction (cont.)
physics **531.4**
railways commerce 385.624
recoil, automatic checks of
gun mounts 623.43561
rolling mechanics 531.45
sliding " 531.44
surfaces
motor vehicle brakes 629.2468
Friedreich's disease 616.83
Friedrich 1 Ger. hist. 943.024
2 " " 943.025
3, 1415–93
Ger. hist. 943.028
1831–88
Ger. hist. 943.084
Friendly
islands history 996.1
societies
buildings archi. 728.46
cooperative economics 334.7
Friends
[1] **of the other branch** **289.6**
[1] **Society of Quakers** **289.6**
Friendship ethics 177.6
Friesian
cattle (Bovidae)
domestic animals 636.2342–3
Dutch dom. anim. 636.2351
east, fowls (Gallinae)
agriculture 636.538
[4] **language** **439.2**
sheep (Bovidae)
domestic animals 636.3314
Friesland history 949.2
Friezes
carved archi. dec. 729.56
interior decoration 747.34
painted archi. dec. 729.46
sculptural reliefs 731.54
wall construction 721.273
Frightfulness Eur. war 940.4056
Frigid zones
see Alpine regions
Arctic regions
Frigidity, sexual psychol. 132.755
Frillback pigeons (Columbae)
agriculture 636.59624
Fringe-fins (Crossopterygii)
ichthyology 597.46
tree (Oleaceae) bot. 583.71
Frisian literature **839.2**
Frisons silk waste 677.418
indus. 677.443

Friulan language 459.97
literature 859.9
Frizzles fowls (Gallinae)
agriculture 636.5884
Frobisher, Martin
American history 973.17
Fröbel's syst. elem. educ. **372.2**
Frog culture fishery 639.378
Mts, Tenn. descr. 917.68875
Frog-hoppers (Cercopidae)
entomology 595.7533
Frog's-bit (Hydrales) bot. 584.11
Frogs (Anura) herpetol. 597.8
Frolic and Wasp, ships
War of 1812 973.5251
Fronde French history 944.033
Fronds veget. morphology **581.497**
Front axles mot. veh. 629.2475
Range, Colo hist. 978.865
Frontal bone anatomy 611.7155
lobe " 611.81311
Frontenac co., Ont hist. **971.371**
Frontier
county, Neb history 978.2835
defense mil. science 355.45
guards " organiza. 355.351
Frontiers
closing of " science 355.28
political science **320.128**
Frontignan grape, white
viticulture 634.849
Fronto, M C Lat. letters 876.3
Frontons
door & window constr'n 721.865
Frost
action of eng. materials 620.1122
blight agriculture **632.11**
damages, repairing
agriculture 632.118
geologic agents 551.91
grape vitis cordifolia
agriculture 634.8445
meteorology 551.52
resistant grapes vitic. 634.836762
Frostbites skin pathol. 616.58
Frosted glass
photographic printing 771.41
Froude's tests shipbldg 623.83
Fructification botany **581.16**
Fructose and nutrition
physiology 612.39613
Frugality
ethics 179.9
wealth consumption 339.43
Frugoni, C I It. poetry 851.57
Fruit
drinks cookery 641.87
hygiene 613.36
state inspection 614.346
farms agriculture 631.143
forms, carved archi. 729.51
painted " 729.41
gatherers agric. tools 631.3581
hairs cotton mfg **677.23**
houses architecture **728.954**
markets dom. econ. 641.48
thinning agriculture 631.54227
trade economics **338.174**
trees and shrubs
apic. pasturage **638.134**
lands. art 715.267
vegetable morphology 581.464
Fruitage plant growth 631.5475
Fruitculture agric. **634**
Fruiting shrubs floric. 635.97633
Fruits
and nutrition physiol. 612.39272
seeds garden crops **635.6**
art anatomy 743.73
as food dom. economy 641.13
hygiene 613.27
domestic economy **641.34**
forest products 634.987
fresh state inspection 614.316
fruitculture **634**
harvesting 631.5561
landscape art 715.1745
painting 758.43
preservation of
chem. technology 664.8
preserved
state inspection 614.318
zootechny **636.0874**
see also qualifying or specific terms
Fruit-walls agriculture 631.3454
Frying cookery 641.77
Fuca Strait, *see*
Juan de Fuca Strait
Fryxell, Anders Swed. lit. 839.7863
Fucales botany 589.452
Fuel
analysis chem. tech. 662.6
consumption
locomotive boilers 621.1331
steam " 621.1823–4
controls mot. veh. 629.2534
conveyers
steam boiler furnace 621.18378
endurance shipbuilding 623.81

Fuel (cont.)
heaters mot. veh. 629.2536
library supplies 025.9
poor relief 362.54
pulverized, appliances
steam boiler furnace 621.18377
ships shipbuilding 623.826
syst. mot. veh. engine 629.253
wood forest products 634.9838
Fuel-gas chemic tech. 662.6
Fueling structures archi. 725.33
Fuels
artificial chemic tech. 662.8
boiler heating 621.1822
chemic technology 662.6
combustion engines 621.434
composite steam boilers 621.18225
cookery 641.58
domestic heating 644.2
gaseous steam boilers 621.18224
kitchen equipment 643.33
liquid steam boilers 621.18223
metallurgy 669.8
motor vehicles 629.2538
steam engineering 621.182
Fueros Spanish law 349.46
Fuerteventura history 964.96
Fugitive
slave law, 1850
US history 973.64
slavery 326.97364
slaves
US Civ. war causes 973.7115
Fugitives from justice
international law 341.4
Fugue medicine 616.85235
music 781.4
psychology 132.15235
Fuji description 915.21663
Fujiwara
period Jap. history 952.0162
Yoritsugu " " 952.02124
Yoritsune " " 952.02122
Fukien, China history 951.245
Fukui history 952.157
Fukuoka " 952.24
Fukushima " 952.118
Fulahs description 916.62
Fulfilment, viewpoint, in
[2] specific fields see subj. —002
Fulgoridae entomology 595.7532
Fulham, London history 942.13
Fulicariae ornithology 598.31
Fulled fabrics mfg 677.62
Fuller, Margaret
American essays 814.31
Fullerphone syst. radio 621.3841593
Fullerton and Cattell's law
psychophysics 152.8215
Fulminating powders
chemic technology 662.4
Fulton co., Ark history 976.722
Ga " **975.823**
Ill " 977.348
Ind " 977.287
Ky " 976.999
NY " 974.747
O " 977.1115
Pa " 974.872
Fulton's marine engine
mech. engineering 621.1221
Fumariaceae botany 583.1223
Fumbina history 967.16
Fumes
agricultural hindrances 632.19
prevention of
indus. sanitation 628.511
Fumigating apparatus
public health 614.481
Fumigation
agricultural prot'n 632.94
domestic economy 648.6–.7
Funariales botany 588.2144
Function
arrangement by
office files 651.531
elaborative
psychol. of reasoning 153.6
Functional
architecture 724.91
centers city zoning 711.55
equations calculus 517
representation suffrage 324.227
types city planning 711.45
Functionalism psychology 150.193
Functioning & operation, in
[2] specific fields see subj. —000364
Functions
Abelian calculus 517.36
active psychology 153
and activities, terminology
of, in specific fields
[2] see subj. —01433
Bessel's calculus 517.35
calculus of 517.5
elliptic calculus 517.36
hyperbolic " 517.36
hyperelliptic " 517.36
La Place's " 517.35

Functions (cont.)
passive psychology 152
symmetric algebra 512.84
trigonometric 514.1
Fundamental rules
arithmetic 511.2
Funding public finance 336.31
Funds
aid labor economics 331.17
poor relief 362.53
old age pub. " 362.62
public polit. economy 336
sinking pub. finance 336.33
univ. & col. student loans 378.362
Funeral
expenses charity 361.4
parlors architecture 726.81
rites customs 393
ordinances 265.8
sermons homiletics 252.9
Fungi
agricultural soil 631.46
closed (Pyrenomycetineae) botany 589.235
diseases apiculture 638.1544
edible (Agaricaceae)
garden crops 635.8
(Eumycetes) agric. pests 632.4
lands. art 716.56
imperfecti (Deuteromycetes) botany 589.24
lowest (Zygosporae, Zygomycetes) botany 589.27–.28
Fungicides
agric. preparations 632.952
protection 632.4
Fungus dis. pathol. bot. 581.2326
galls " " 581.272
Fungus-beetle (Tetramera)
entomology 595.768
Funicular railways
commerce 385.622
engineering 625.32
Funiculus anterior anat. 611.8221
posterior " 611.8222
Funnels
decanting prac. chem. 542.66
practical chemistry 542.231
Fur
comparative anatomy 591.47
factories architecture 725.416
farming agriculture 636.9
garments dom. economy 646.16
mittens manufactures 685.432
textile " 677.38
Fur (cont.)
trade
economics 338.17391
rise of Can. history 971.011
work arts & crafts 745.537
Furcraea gigantea (Amaryllidaceae) fiber crops 633.573
Furetière, Antoine
French wit 847.45
Furloughs mil. science 355.113
Furmint grape vitic. 634.85439
Furnacemen dom. economy 647.25
Furnaces
building industry 697.3
electric physics 537.85
prac. chem. 542.47
metallurgy 669.8
mining ventilation 622.43
practical chemistry 542.42–.47
sewer ventilation 628.236
steam boilers 621.183
Furnas co., Neb history 978.2384
Furnishings
carriage & furn. mfg 684
office economy 651.24
Furniture
advertizing on bus. 659.137
and equip., viewpoint
in fields not specified
[2] see subject —005
cemeteries 718.68
covers dom. economy 645.48
customs folklore 398.34
domestic economy 645.4
ecclesiastic relig. 247
factories architecture 725.444
fine arts 749
fixed archi. dec. 729.9
fine arts 749.4
library dec. 022.349
hygiene of dwellings 613.59
interior decoration 747.6
library economy 022.9
manufactures 684
museum economy 069.33
office equipment 651.23
papers arts & crafts 745.54
school equipment 371.631
Sunday schools 268.241
trimmings for mfg 677.76
YMCA buildings 267.32
Furriery manufactures 675
Furrow sowers farming 631.3315
Fuselage aircraft 629.13434
Fushimi Jap. history 952.02126

Fusileers infantry 356.16
Fusing prac. chemistry 542.48
Fusion
  breeding zootechny 636.082454
  nucleus, division of
    botany 581.331
  point, *see* Melting points
Fusions, abnormal
  vegetable teratology 581.221
Futa history 966.36
Future
  events, forecast of
    math. probabilities 519.4
Future (cont.)
  state doc. theology 237
Futures stock & commodity trading 332.64
Futurism painting schools 759.915
Fuzes
  chemic technology 662.4
  electric stations 621.3178
  local elec. lighting 621.3284
  ordnance 623.4541
  projectile ordnance 623.45423
Fylfot ecclesiology 246.5

G

GAR US societies 369.151
GHQ staff mil. science 355.35
GOP US politics 329.6
Gabbro petrology 552.34
Gabionades mil. eng. 623.24
Gable boards
  archi. roof constr'n 721.565
Gables
  architectural design 729.37
  door & window constr'n 721.865
  roof construction 721.58
  wall " 721.28
Gablets
  door & window constr'n 721.865
Gabriel, John, *pseud.*
  English fiction 823.51
Gabun colony history 967.21
Gades history 946.8
Gadfly (Brachycera)
  entomology 595.772
[4] Gadhelic languages 491.61
Gadolinium chemistry 546.694
Gadsden
  county, Fla history 975.9925
  purchase, 1854 US hist. 973.66
[4] Gaelic language 491.63
Gaertner grape vitic. 634.84909
Gaertneria (Ambrosiaceae)
  botany 583.5546
Gärtner's duct anatomy 611.6676
Gaetulia hist., ancient 939.77
Gage
  cocks locomotive boilers 621.1339
  county, Neb history 978.2286
  glasses steam boilers 621.18472
Gaged pile foundations
  architecture 721.171
Gages aircraft equipment 629.1353
  bark- silvic. 634.954
  mot. veh. equipment 629.2732
  phot. printing 771.41
  pneumatic eng. 621.532
  steam " 621.1977
Gagging
  prison punishments 365.644
Gaging arithmetic 511.8
  metrology 389
Gaillard process phot. 772.12
Gaiters manufactures 685.314
Galactin in milk
  dairy industry 637.1272

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Galactometer dairy indus. 637.1276
Galactophorus ducts anat. 611.693
Galactose and nutrition
physiology 612.39613
Galatia hist., ancient 939.32
Galatians, epistle to 227.4
Galegeae (Fabaceae)
field crops 633.3752
Galekaland history **968.671**
Galena
detectors radio 621.38413622
geology, economic 553.44
metallurgy 669.4
Gales meteorology 551.51
Galicia
campaign, 1914 Eur. w. 940.4225
1915 " " 940.4253
1916 " " 940.4275
1917 " " 940.4325
history 943.74
Spain history 946.1
[4] **Galician language** **469.9**
Galilei, Galileo It. essays 854.52
Gall
ducts, *see* Bile ducts
formation secretions
botany 581.145
zoology 591.145
[4] **Galla language** **493.52**
Gallantry
bravery ethics 179.6
courtesy " 177.1
Gallate of iron processes
photography 772.23
pigmented photography 773.122
Gallatin co., Ill hist. 977.397
Ky " 976.9365
Gall-bladder anatomy 611.366
pathology 616.36
physiology 612.35771
Galleries
art museums **708**
covered streets 711.725
photographic f. arts 771.12
shooting architecture 725.891
Galley slavery
criminal law 343.2
prison systems 365.22
Galleys shipbuilding 623.8212
Gall-flies (Phytophaga)
agricultural pests 632.793
Gallia Cisalpina history 937.2
county, O " 977.189
Gallic acid process phot. 772.14
church relig. 282.44
Gallican schismatics
[1] **sectarian history** **284.82**
Gallicisms Fr. etymol. **447**
Ger. " 432.4
[3] other lang. —24
Gallinae ornithology 598.61
Gallipoli campaign
1915 Eur. w. 940.4259
nav. operations 940.455
1916 Eur. w. 940.4289
Gallium chemistry 546.68
Gall-midge (Nematocera)
entomology 595.771
Gallon metrology 389
Gallo-nitrate of silver
process photography 772.12
Galloons manufactures 677.76
Galloway
cattle (Bovidae)
domestic animals 636.2232
history **941.49**
pony (Equidae)
dom. anim. 636.1622
Gallows criminal law 343.2
Galls
agricultural pests 632.2
anat. of pathol. bot. 581.277
forest products 634.9895127
pathologic biology **574.27**
botany **581.27**
Gallstones physiology 612.35764
surgery 617.43
Galop music form 781.508528
Galt, John Eng. fiction 823.77
Galton's law biology 575.1122
psychology 136.301
Galvanic batteries
elec. engineering **621.354**
physics 537.86
practical chemistry 542.8
Galvanism physics **537.5**
Galvanizing
metal manufactures 671
shop eng. works 621.794
Galvanometers elec. eng. 621.3744
physics 537.86
Galvanoplastic molds
photoengraving 777.5
Galvanoplasty
electrometallurgy 537.85
metal manufactures 671

Galvanotropism botany 581.18325
physiol. 612.014427
Galway history 941.74
Gamay grape viticulture 634.8544
Gambaga history 966.79
Gambia " 966.51
Gamblers 795.069
biography 927.95
Gambling admin. control 351.762
criminal law 343
estab. archi. 725.78
ethics 174.6
Gambo hemp (Malvaceae)
field crops 633.563
Gamboge (Guttiferaceae)
botany 583.163
Gambos history 967.37
Gambrel roofs
architectural constr'n 721.583
Game
bags camp equip. mfg 685.514
textile " 677.66
bantams (Gallinae)
agriculture 636.58712
dead painting 758.45
fowls (Gallinae) agric. 636.5881
hunting sport 799.1–.2
preserves hunting bus. 639.1
lands. art 712.644
Games
athletic recreation 796
children's dom. econ. 649.55
recreation 796.1–.2
childstudy 136.7479
ethics 175
hygiene, recreational 613.7
ice sports 796.96
indoor, bldgs archi. 725.84
instructive recrea. 793.71
kindergarten methods 372.2153
museum economy 069.15
of action, indoor
recreation 793.4
chance recreation 795
skill " 794
wit " 793.72
Olympic Greek antiq. 913.38
sports 796.4
outdoor, grounds
landscape art 712.547
public recreation 791.7
recreation 790
school hygiene 371.74–.75
social customs 394.3
swimming sports 797.25
table & parlor recrea. 793
Gametes veget. embryology 581.326
Gametogenesis botany 581.32
Gaming, public
administrative control 351.762
ethics 174.6
Gamins childstudy 136.77
Gamma rays radioactivity 539.7
Gamopetalae botany 583.5
Gang
plow farming 631.3122
problem
childstudy 136.77
juvenile delinquency 364.363
psychology sociology 301.15
Gangliated cord anatomy 611.839
Ganglions
anatomy 611.89
cerebral physiology 612.826
of sensory nerves
physiology 612.8113
sympathetic nervous syst. physiol. 612.89
physiology of
heart 612.1783
invertebrates 612.829
Gangrene
pathology 616.941
pulmonary pathology 616.245
surgery 617.25
Gangs, criminal sociol. 364.374
Ganne history 966.687
Gannet (Steganopodes)
ornithology 598.43
Ganoidei ichthyology 597.4
Gantlets manufactures 685.434
Gaols, *see* Jails
Garages landscape art 717.66
library bldg 022.687
mot. veh. 629.285
private archi. 728.949
public " 725.381
Garayos islands history 969.84
Garbage removal san. eng. 628.44
Garber co., Neb history 978.247
Garcia
Catalan poetry 849.9137
de la Huerta, V A
Spanish poetry 861.43
Gutierrez, Antonio
Spanish poetry 861.54
Garcilaso de la Vega
Spanish poetry 861.31
Gard dept history 944.83
Garden
aqueducts lands. art 714.36
arches " " 717.86

Garden (cont.)
cities civic arts 711.582
constr'n & maintenance
landscape art 712.625
contests lands. art 712.6
county, Neb history 978.2915
crops agriculture 635
zootechny 636.0875
furniture lands. art 717.9
hoe farming 631.3151
houses architecture 728.991
landscape art 717.682
of Eden, *see* Paradise
earthly
the Gods, Colo.
description 917.8856
West (Kan) hist. 978.1
parties dom. economy 642.43
pottery lands. art 717.9
rakes farming 631.3156
sites landscape art 712.6244
spade farming 631.3111
squares lands. art 712.523
statuary " " 717.9
suburbs city planning 711.583
theaters architecture 725.827
lands. art 717.686
tools, hand farming 631.315
Gardeners
domestic economy 647.3
service bldgs
landscape art 717.66
Gardening
agriculture 635
elem. education 372.36
flower landscape art 716.2
ornamental fine arts 712–717
floric. 635.9
Gardens
botanic 580.74
architecture 727.558
landscape art 712.6
public lands. art 712.56
workmen's production 338.12
zoologic 590.74
architecture 727.559
see also Floriculture & qualifying or specific terms
Garfield, J A, pres.
US history 973.84
Garfield co., Colo hist. 978.816
Neb " 978.2764
Okla " 976.628
Wash " 979.744
Gargling physiology 612.219
Gargoyles archi. dec. 729.532
Garibaldi, Giuseppe
Italian history 945.08
Garland co., Ark hist. 976.741
Garlands between posts
landscape structures 717.83
Garlic (Liliaceae)
garden crops 635.262
Garments dom. economy 646.43–.45
Garneri process phot. 772.13
Garnet lac agriculture 638.3264
Garnier, Robert Fr. drama 842.37
and Salmon process
photography 773.2
Garnishee commer. law 347.7
Garnishes garden crops 635.78
Garnitures
of dress dom. econ. 646.48
table decoration 642.8
Garpikes (Euganoidei)
ichthyology 597.47
Garrard co., Ky history 976.9525
Garrett co., Md " 975.297
Garrick, David
English drama 822.61
Garrison
life mil. science 355.12
service " defense 355.45
training 355.51
Garryales botany 583.982
Garter, order of heraldry 929.714
Garters hygiene 613.484
Garth, Samuel Eng. wit 827.48
Garua history 967.17
Garvin co., Okla history 976.656
Gary system education 371.25
Gas
absorbing prac. chem. 542.74
accumulators elec. eng. 621.357
cells aircraft constr'n 629.134322
checks ordnance 623.4243
compression prac. chem. 542.78
cooking by dom. econ. 641.584
displacement prac. chem. 542.73
dissolving " " 542.74
domestic heating 644.24
lighting 644.313
drying prac. chem. 542.74
engine plow farming 631.3123
engines agric. power 631.3716
mech. eng. 621.4
mot. veh. 629.25144
thermology 536.82

Gas (cont.)
expansion prac. chem. 542.79
fitting plumbing 696.2
fuel- chemic tech. 662.6
generation prac. chem. 542.72
grates " " 542.44
heating
building industry 697.6
opera. prac. chem. 542.44
holders " " 542.78
identification
qualitative analysis 544.4
laughing anesthetics 615.781
surgery 617.9
lethal criminal law 343.2
light signs adver. 659.136
liquefaction prac. chem. 542.79
mains city planning 711.82
manipulation prac. chem. 542.7
measuring " " 542.76
meters manufactures 681.122
prac. chem. 542.76
natural
chemic technology 665.7
extraction min'g 622.338
geol., economic 553.28
steam boiler fuels 621.18224
plant (Rutaceae) bot. 583.23
power plants elec. eng. 621.312133
rarefaction prac. chem. 542.77
sampling tube " " 542.73
sewer- sanitary eng. 628.23
solidification
prac. chemistry 542.79
stations city plan. 711.669
storage prac. chem. 542.75
stoves kitchen equip. 643.334
tanks city planning 711.661
tractors agriculture 631.3722
warfare, *see* Chemic warfare
washing prac. chem. 542.74
works
and pollution
pub. health 614.723
safety
pub. health 614.835
architecture 725.198
Gascoigne, George
English wit 827.31
Gasconade co., Mo hist. 977.861
Gasconne
sheep (Bovidae) agric. 636.3464
swine (Suidae) " 636.445
Gascony history 944.77
Gaseous poisons toxicology 615.91
Gases
absorption
and adsorption
chemistry 541.3443
physics 533.1
by skin physiol. 612.7915
of physiol. bot. 581.12122
agric. hindrances 632.19
and pollution
public health 614.72
attacks by prac. chem. 542.9
chemic technology 665
chemistry of blood 612.127
circulation of
physiol. botany 581.12123
effect on
books lib. econ. 025.8
plants botany 581.522272
in muscle physiology 612.74417
soil agriculture 631.433
inhalation of hygiene 613.62
intestinal physiol. 612.3317
ionization of elec. 537.53
landscape planting 715.158
mining ventilation 622.41
pneumatics 533
properties of chem. 541.33
qualitative analysis 544.4
rarified, induction in
electricity 537.53
solubility of chem. 541.3443
urinary physiology 612.46164
volume of theor. chem. 541.2
volumetric analysis 545.7
Gaslight phot. f. arts 771.444-.446
Gasoline
chemic technology 665.5
domestic heating 644.23
engines agric. power 631.3716
mot. veh. 629.25142
gages mot. veh. equip. 629.2732
plow farming 631.3123
tax pub. finance 336.2786655
tractors agriculture 631.3722
Gasometers
practical chemistry 542.75
suction prac. chem. 542.77
Gaspé co., Que hist. 971.479
ship Amer. revol. 973.3112
Gassenay goat (Bovidae)
domestic animals 636.3939
Gasserian ganglion anat. 611.8915
Gasterolichenes botany 589.112
Gasteromycetes " 589.221
Gaston co., NC history 975.677
Gastonia, NC " 975.6771

Gastric
absorption physiology 612.3227
artery anatomy 611.13643
fistulas physiology 612.3211
glands anatomy 611.33
juice
abnormal physiol. 612.3269
and disease physiol. 612.3265
pancreas " 612.34251
physiology 612.32
with other digestive secretions physiol. 612.3226
lymph glands anatomy 611.46522
nerves of vagus " 611.831919
plexuses " 611.8393
secretion
and chem. agents 612.324
pathol. changes of 612.326
physiologic zool. 591.143
physiology 612.323
psychic influence on 612.3281
transformation physiol. 612.3227
vein anatomy 611.1493
Gastritis pathology 616.33
Gastrocnemius anatomy 611.73853
Gastro-epiploic arteries
anatomy 611.13641–42
Gastronomy dom. economy 641.01
Gastropoda zoology 594.3
Gastrotomy surgery 617.55
Gastrotricha zoology 595.188
Gastrula embryology 611.01332
Gate
fastenings archi. 721.88
houses " 728.91
lodges lands. art 717.66
towers archi. 725.975
Gates
arch. constr'n 721.835
city planning 711.67
county, NC history 975.615
Wis " 977.519
landscape art 717.86
office equipment 651.22
railway " 625.18
Gatherers, hay- agric. 631.3532
Gatling guns ordnance 623.42242
Gauge, etc., *see* Gage, etc.
Gaul history 944.01
Gauley River valley, WVa
history 975.468
Gaultheria
(Ericaceae) botany 583.62
procumbens (Pyrolaceae)
field crops 633.823
Gauntlets manufactures 685.434
Gaur (Bovidae) dom. anim. 636.2934
Gauss' theory magnetism 538.1
Gautama Buddhism 294.3
Gautier, Théophile
French fiction 843.77
Gauze
gummed textile mfg 677.68
special fabrics 677.65
wire prac. chemistry 542.46
Gavot dances 793.32
Gay, John English drama 822.56
Gayal (Bovidae) dom. anim. 636.2934
Gayangos y Arce, Pascual de
Spanish literature 868.51
Gaylussacia (Vacciniaceae)
fruitculture 634.731–.732
Gaza Eur. w., 1917 940.4331
1918 940.4382
Gazaland history 967.97
Gazania (Arctotidaceae)
botany 583.5534
Gazebos landscape art 717.682
Gazel (Bovidae) mammalogy 599.73584
Gazetteers 910.3
descr. & trav. 914–919
Gdynia history 943.12
Gealeka " 968.671
Gear
cutting mech. eng. 621.834
designs " " 621.833
shift mot. veh. 629.2444
tests mech. eng. 621.832
Gearing, mill mech. eng. 621.85
Gears
clockwork 681.1122
constr'n of mech. eng. 621.834
landing aircraft 629.1343843
running railroad eng. 625.21
steering mot. veh. 629.2478
shipbuilding 623.85
toothed mech. eng. 621.83
valvular locomotives 621.1342
Geary co., Kan history 978.129
Geauga co., O " 977.1336
Geese (Anseres)
poultry farming 636.598
Geez language 492.87
literature 892.8
Gehenna doc. theology 237.5
Geibel, Emanuel
German poetry 831.83
Geiger-tree (Boraginaceae)
botany 583.77
Geijer, E G Swedish lit. 839.7861
Geishu history 952.1975

Geissler's tubes elec. 537.53
Geissolomataceae botany 583.936
Gelatin
and printers ink
phot. processes **774**
base films phot. chem. 771 528
chemic technology 668.3
drypoint engraving 767.4
painting medium 751.242
phot. chemistry 771.58
pigmented processes
photography **773**
reliefs
photoengraving 777.5
phot. printing 771.8
Gelatin-bromid processes
silver photography 772.15
Gelatin-chlorid processes
silver photography 772.15
Gelatinosae botany 589.18
Gelatinous
ink processes
photoengraving 777.5
lichens botany 589.18
tissue histology 611.01825
liquids chemistry 541.325
Gelatin-silver processes
photography 772.13
Gelatin-sugar printing
bichromated phot. 773.122
Geldings zootechny **636.08234**
Gelidiaceae botany 589.416
Gellert, C F Ger. poetry 831.61
Gelli, G B It. essays 854.37
Gelocidae mammalogy 599.73552
paleozoology 569.73552
Gem county, Ida hist. 979.627
state (Ida) " **979.6**
Gemara Judaism 296
Gemelli anatomy 611.73818
Gemignano, Folgore da San
Italian wit 857.11
Gemini occult astrology 133.522
Gemmae veget. generation 581.1653
Gemmation physiology 612.6041
veget. genera. 581.16523
zoology 591.165
Gemmyo, Empress Jap. hist. 952.0151
Gem-pei wars " " **952.01638**
Gems
artificial chem. tech. 666
engraving carving 736.2
geology, economic 553.8
Gems (cont.)
language of folklore 398.3
f. arts 736.20144
mineralogy **549**
mining 622.38
mounted fine arts 739.27
Gendarmes mil. science 355.133
Gender Eng. etymology 422.5–.8
[3] other lang. —25–28
Geneagenesis biology 574.163
botany 581.163
zoology 591.163
Genealogists 929.069
biography 920.99291
Genealogy **929.1**
Genera, terminology of
in specific fields
[2] see subject —01432
General
[1] **Baptists sect. hist.** **286.1**
staff mil. organiza. **355.35**
ticket suffrage 324.222
works **000**
Generalization logic 161
psychol. **153.633**
[1] **Generals biography** **923.5**
mil. science 355.33
Generation
alternate biology 574.163
botany 581.163
physiology 612.6045
zoology 591.163
biology **574.16**
botany **581.16**
physiology **612.6**
spontaneous, *see*
Spontaneous generation
zoology **591.16**
zootechny **636.08245**
Generative
functions
female physiology **612.62**
male " **612.61**
organs
biol. comp. anat. **574.46**
bot. " " **581.46**
organography, biol. **574.76**
bot. **581.76**
zool. 591.76
veget. histology **581.846**
zool. comp. anat. 591.46
see also Genital
Generator panels
electric stations 621.31722

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Generators
aircraft equipment 629.1354
alternating current
electric eng. 621.31343
compressed gas
phot. lighting 771.445
direct current
electric eng. 621.31323
double current
electric eng. 621.31356
electron tubes in radio 621.3841326
induction elec. eng. 621.31363
mot. veh. ignition 629.2544
radio arcs 621.3841313
equipment 621.384131
telephony 621.38763–64
voltaic elec. eng. 621.35
Genesee co., Mich hist. 977.437
NY " 974.792
Genesis Bible 222.11
Genet (Viverridae) mammal. 599.74422
see also Jennet
Genetic continuity psychol. 136.301
Genetics biology 575
Geneva
award, 1872 Eng. hist. 942.081
US " 973.82
city, Switzerland hist. 949.4
confession doc. theol. 238.42
county, Ala history 976.129
grape viticulture 634.84909
tribunals int'l law 341.6
Geniculate bodies anatomy 611.8146
ganglion " 611.8917
Genii folklore 398.4
Geniohyoideus anatomy 611.7348
Genip (Sapindaceae) fruitc. 634.652
Genisteae (Fabaceae)
field crops 633.3722
Genital
organs, female anat. 611.65
male " 611.63
plexus anatomy 611.8359
tract complications
obstetrics 618.55
see also Generative
Genito-femoral nerve anat. 611.83543
Genito-urinary system
anatomy 611.6
and medicine therap. 615.76
pathology 616.6
surgery 617.46
Genius
and crime sociology 364.243
education 371.955
Genius (cont.)
hereditary
genetic psychology 136.3111
psychology 151.1
Genoa history 945.1
Genotypes biology 575.122
Genre groups fine arts 704.942
paintings " " 754
Gensho, Empress Jap. hist. 952.0152
Gentianaceae botany 583.75
Gentianales " 583.7
Gentianineae " 583.72
Gentleness ethics 179.9
[4] **Gentoo language** 494.813
Gentry
county, Mo history 977.8145
education of 371.963
Genus-species tests
psychology 151.23
Geocentric place astron. 521.2
Geochemistry geology 551.94
Geodesy 526
topographic 526.9
Geodetic
field operations
basc measuring 526.25
work
triangulation 526.3
formulas for computation 526.46
instr. for triangulation 526.33
observations 526.33
station's center
reduction to 526.34
stations triangulation 526.32
surveys
aircraft service 629.138552
tables for computation 526.49
Geoffroy, Stéphane, process
photography 772.12
Geoglossaceae botany 589.2331
Geognosy 551
Geographic
basis of nation
polit. science 320.124
coordinates astronomy 525.4
discoveries, hist. of 910.9
distribution
in specific fields
[2] see subject —093–099
explorations
aircraft service 629.13859
names genealogy 929.4
Geography
ancient maps 912.3
astronomic 525

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Geography (cont.)
[1] **commercial sociol.** 380.9
descriptive 910
elementary education 372.891
[1] **historic** 911
[1] **military** 355.47
physical 551
and tactics 355.423
see also Boundaries
Geoidal figure of earth
geodesy 526.17
Geologic
agents 551.9
factors lands. constr'n 713.5
periods 551.7
specimens mus. econ. 069.455
[1] **surveys** 554–559
aircraft service 629.138555
time 550.1
Geologists 550.69
biography 925.5
[1] **Geology** 550
agricultural
agronomy 630.25
farming 631.4
geol., economic 553.6
and relig. nat. theol. 215
applied mining 622.11
dynamic 551
economic 553
of Alaska 553.09798
Chile 553.0983
Transvaal 553.09682
etc.
see also Mineral resources
of France 554.4
polar regions 559.8–.9
United States 557.3
etc.
speculative 550.1
stratigraphic 551.7
structural 551.8
Geomancy psychology 133.333
Geometric
designs fine arts 745.44
line engr. 765.2
drawing fine arts 744
forms, carved archi. 729.54
painted " 729.44
graphic material
shorthand 653.123
illusions physiology 612.8437415
psychology 152.137415
perspective, special devices for math. 515.68
phonetic shorthand syst. 653.73
Geometricians 513.069
biography 925.13
Geometrina entomology 595.785
Geometry 513
absolute 513.81
analytic 516
modern 516.5
descriptive 515
differential 513.7
infinitesimal 513.7
kinematic 513.7
modern 513.5
N-dimensional 513.82
non-Euclidean 513.81
solid 513.3
spheric 513.41
Geomorphology 551.3
Geomorphy astronomy 525.14
Geophysical
effects radio 621.3841155
influences forestry 634.922
Geophysics 551
George 1 Eng. history 942.071
US " 973.25
2 Eng. " 942.072
US " 973.26
3 Eng. " 942.073
US " 973.27
4 Eng. " 942.074
5 " " 942.083
6 " " 942.084
George, Henry, system
single tax 336.226
George
Cape Colony history 968.7385
county, Miss. " 976.2165
Fort, capture, 1813
US history 973.5235
junior republic
school government 371.595
Lake, NY history 974.751
Georgetown co., SC hist. 975.789
Georgia
Caucasia history 947.9
US " 975.8
see note under Virginia
secession hist. 973.713
settlement, 1732 973.26
Georgiaceae botany 588.2142
Georgian architecture 724.14207
American 724.173
revival 724.5992
Bay history 971.31
furn. fine arts 749.223
[4] **language** 499.9621

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Geosiphonaceae botany 589.482
Geotropism " 581.18322
mesology 612.014477
Gephyrea zoology 595.174
Geraniaceae botany 583.223
Geraniales " **583.21**
Geranium (Geraniaceae)
field crops 633.812
Gerhardt, Paulus Ger. poet. 831.54
Geriatrics pathology 618.97
Germ
cells, devel. of biology 574.172
botany 581.172
zoology 591.172
layers embryology 611.0133
plasm and variations
botany 581.15125
projections, autonomic
botany 581.1856
theory
of disease pathol. 616.01
origin of life 576
German
auxiliary schools
adult education 374.843
Baptist brethren Dunkers 286.5
cheese, hard agric. 637.3543
coast, La. history 976.333
East Africa
Eur. w., 1914 940.4236
1916 940.4298
1917 940.4338
1918 940.4388
history 967.8
empire central gov't 354.4303
[4] **language 430**
[4] **low philology 439.1**
(Plattdeutsch)
[4] **philology 439.4**
measles pathology 616.916
public health 614.524
[4] **middle high philology 437.02**
[4] **old " " 437.01**
philosophers 193
recreation (dance) 793.35
republic central gov't 354.4304
history 943.085
Southwest Africa
campaign Eur. w. 940.4268
history 968.8
student dueling educ. 371.82
Germaniaceae (Polygonaceae)
botany 583.917
Germanic languages 439
Indo- 491
Germanium chemistry 546.695
Germans
conversion of ch. hist. 270.3
history, ancient 936.3
Germantown, Pa, battle
American revolution 973.3337
Germany history 943
Germeuil-Bonnaud process
photography 773.2
Germicides pub. health 614.482
therapeutics 615.778
Germinal, *see* Germ
Germination
veget. embryology 581.333
Germs, *see* Bacteria, Bacteriology, Germ
Gerrymander
legis. representation 328.3346
Gers history 944.771
Gerstäcker, FWC Ger. fict. 833.77
Gerund Eng. etymology 422.8
[3] other lang. —28
Eng. syntax 425.8
[3] other lang. —58
Gesneraceae botany 583.83
Gessenay goat (Bovidae)
domestic animals 636.3939
Gesso duro sculpture 731.252
Gesta Romanorum
Latin fiction 879.3
Gestalt psychology 150.1924
Gestation
ectopic obstetrics 618.31
obstetrics 618.2
physiology 612.63
zootechny 636.082455
Gesture language
educ. of deaf & mute 371.912
Gestures
oratory 808.5
psychology of emotions 157.224
Gettysburg, Pa, battle, 1863
US Civil war 973.7349
Gex cheese dairy indus. 637.3544
Geysers geology 551.23
Ghadames history 961.2
Gharbiya " 962.12
Ghardaia " 965.7
Ghat " 961.3
Ghebers Parsceism 295

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Gheez language 492.87
literature 892.8
Ghegan repeaters
telegraphy 621.38324
Ghent
Eur. w., 1914 940.4213
1918 940.4366
air raids 940.448
history 949.3
Gherardi, Giovanni, da Prato
Italian fiction 853.25
del Testa, Tomasso
Italian drama 852.74
Gherkins (Cucurbitaceae)
garden crops 635.63
Ghettos city planning 711.588
Ghibelines It. history 945.04
Ghost, Holy, *see* Holy Ghost
Ghosts folklore 398.4
occultism **133.1**
photography 778.8
Ghouls folklore 398.4
occultism 133.14
Giacometti, Paolo
Italian drama 852.73
Giacosa, Giuseppe
Italian drama 852.8
Giambullari, P F It. essays 854.36
Giannone, Pietro " " 854.57
Gianotti, Pietro " " 854.35
Giant lily (Amaryllidaceae)
fiber crops 633.573
Giant's causeway descr. 914.161
Giants somatology 573.8
Gibbon, Edward Eng. essays 824.67
Gibbon (Anthropoidea)
mammalogy 599.88
Gibeon, SW Africa hist. 968.84
Gibraltar, Spain
fortress mil. sci. 623.19468
history 946.8
Gibson co., Ind history 977.235
Tenn " 976.823
Giddiness psychology 152.67363
Gifford, William Eng. wit 827.71
Giffordiaceae botany 589.457
Gift tax pub. finance 336.276
Gifted children, educ. of 371.955
Gifts kindergarten meth. 372.212
library finance 025.111
public income 336.18
Gifu history **952.161**
Gigantography photography 778.13
Gigantostraca zoology **595.39**
Gigartinales botany 589.414
Gigaspermaceae " 588.21442
Gigli, Girolamo It. drama 852.54
Gil y Zárate, Antonio
Spanish poetry 861.55
Gilan history 952.915
Gilbert
Humphrey Amer. hist. 973.17
N J L French wit 847.52
islands hist. 996.8
Gild
houses architecture 725.93
socialism polit. econ. 335.15
system production 338.64
Gilder, R W Amer. poetry 811.48
Gilding metal mfg 671
Gilds
cooperative, women's
polit. economy 334.54
neighborhood soc. clubs 367
parish work relig. 256
Gilead history 956.9
Giles, Henry Amer. essays 814.32
co., Tenn history 976.861
Va " 975.578
Gilgiodaphnoideae (Thymelaeaceae) botany 583.9331
Gillbearing fungi (Agaricaceae) botany 589.222
Gilliam co., Ore history 979.565
Gillikins fowls (Gallinae)
agriculture 636.5882
Gillot process phot. 777.2
Gills
anatomy 611.28
comparative 591.42
skeleton of
anatomy 611.7166
comparative 591.47
Gilmer co., Ga history 975.8295
WVa " 975.427
Gilpin co., Colo " 978.862
Gin chem. technology 663.5
textile equipment 677.02851
Ginger
wild (Aristolochiaceae)
botany 583.924
(Zingiberaceae)
field crops 633.825
Gingham cotton mfg 677.2164
Ginglymus anatomy 611.72964
Ginkgo (Ginkgoales)
nuciculture 634.572
Ginkgoales botany 585.7
Ginning textile process 677.02821
see also special fibers
Ginseng (Araliaceae) bot. 583.491

Gioberti, Vincenzo
  Italian essays 854.77
Giordani, Pietro
  Italian essays 854.72
Giovagnoli, Raffaelle
  Italian fiction 853.87
Giovanni Fiorentino
  Italian fiction 853.22
Gipsies, biog. of sociol. 397.092
  sociology 397
Gipsy
  language 397
  moth (Bombycina)
    agric. pests 632.787
  music fine arts 781.72
  songs music 784.752
Giraffidae mammalogy 599.73572
Giraldesian organ anat. 611.633
Giraldi Cintio, G B
  Italian drama 852.42
    fiction 853.44
Giran history 952.915
Girandoles architecture 729.98
Girard de Roussillon
  Provençal poetry 849.121
Girard turbine mech. eng. 621.247
Girardin, Saint Marc
  French essays 844.75
Girasole artichoke (Helianthaceae) garden crops 635.24
Giraut de Bornelh
  Provençal poetry 849.128
Girder bridges eng. 624.27
Girders bridge eng. 624.21
Girdle, thoracic anat. 611.7171
  pelvic " 611.7181
  prac. relig. 247.7
Girdling agric. pruning 631.54224
Girga history 962.31
Girl
  guides, *see* Girl scouts
  problem psychology 136.775
  scout libraries 027.628
  scouts sociology 369.46
Girls
  camps, *see* Summer camps
  clubs sociology 369.46
  counsels to ethics 173.6
  education of women 376
  institutions criminol. 364.722
  juvenile delinquency 364.364
  libraries for 027.628
    relig. organiza. lib. 027.6753
  religious societies 267 8
  schools education 376
  viewpoint psychology 136 74
Gironde history 944.71
Girondists Fr. history 944.04
Giros aviation 629.13335
  see also Gyro-
Girs, Aegidius Swed. lit. 839.7823
Gisaldruck process phot. 776.1
Giusti, Giuseppe It. wit 857.71
Give-away games 794.2
Givet silk textile mfg 677.462
Givry grape viticulture 634.8544
Gîza history 962.21
Glacial drift geology 551.33
  period " 551.79
Glacier
  goat (Bovidae) dom. anim. 636.3936
  Peak, Wash. description 917.9771
Glaciers
  and plant
    dissemination bot. 581.522632
    succession " 581.5243231
  geology 551.31
Glacis fortifications 623.116
Glades co., Fla history 975.951
Gladiators recreation 791.3
  soc. customs 394.2
Gladiolus anatomy 611.713
Gladwin co., Mich hist. 977.472
Glamorgan history 942.97
Glanders pathology 616.954
  public health 614.564
Glands
  and vagus nerve
    physiology 612.819915
  cutaneous physiology 612.792
  effect of nerves on
    physiology 612.817
  lymphatic physiology 612.428
  oral anatomy 611.316
Glandulae Pacchioni anat. 611.8193
Glandular
  reaction psychology 150.1942
  system
    anatomy 611.4
    and medicines therap. 615.74
    histology 611.01872
    physiology 612.4
    surgery 617.44
  tissues veget. histol. 581.824
Glane swine (Suidae)
  domestic animals 636.431
Glans penis anatomy 611.643
Glanschwein (Suidae)
  domestic animals 636.431
Glascock co., Ga hist. 975.8666
Glasgow history 941.43
  ship Amer. revol. 973.352

Glass
and iron structures
archi. constr'n 721.98
archeology 571.56
blowing apparatus mfg 681.3
prac. chem. 542.2315
building industry 691.6
burning optics 535.81
cleaning dom. econ. 648.54
colored phot. printing 771.41
crab (Stomapoda) zool. 595.382
doors archi. constr'n 721.826
fibers textile mfg 677.52
fine arts 748
grinding prac. chem. 542.2315
life under botany 580.7252
magnifying optics 535.82
manufacture chem. tech. 666.1
mot. veh. materials 629.23233
Mts, Okla descr. 917.6629
plates etching 767.2
phot. 777.1
radio insulating material 621.3841791014
receptacles prac. chem. 542.231
roofs archi. constr'n 721.53
school buildings 371.636
soluble, silver process
photography 772.13
specimens mus. economy 069.4738
stained archi. design 729.8
ecclesiology 247.4
fine arts 748.5
lib. bldgs 022.348
strength of eng. 620.14
structures archi. 721.994
supports phot. chem. 771.5261
surfaces painting, art 751.2261
works architecture 725.481
Glasses
bell, *see* Bell glasses
compensating phot. 771.355
eye ophthalmology 617.75
looking, *see* Mirrors
musical 789.9
Glassites Sandemanians 289.9
Glassware dom. economy 642.7
fine arts 748
Glaucocystales botany 589.85
Glauconite petrology 552.58
Glazed
doors archi. constr'n 721.837
fabrics textile mfg 677.68
ware chinaware 738.24
pottery 738.34
Glazing
building trade 698.5
ceramics 738.14
painting technic 751.41
plates for phot. 771.45
photographic prints 770.2846
shop eng. works 621.795
Glee clubs student life 371.89
Gleek card games 795.42
Glees vocal music 784.1
Gleet pathology 616.952
Gleicheniaceae botany 587.3123
Glen Grey history 968.775
Glengarry co., Ont. hist. 971.377
Glenn co., Calif. " 979.431
Gliders aviation 629.13333
Gliding aerodynamics 629.13231
Glisette geom., Cartesian 516.26
Globe-daisy (Globulariaceae)
botany 583.823
Globefish (Plectognathi)
ichthyology 597.54
Globes, gazing lands. art 717.9
geography 912
school equipment 371.6791
use of astron. 522.78
Globin physiology 612.11116
Globulariaceae botany 583.823
Globules of blood, *see*
Corpuscles, red & white
Globulins
physiol. of nutrition 612.398132
Globus pallidus anatomy 611.81322
Gloiosiphoniaceae bot. 589.415
Gloria in excelsis music 783.22
Gloriosa islands history 969.44
Glossaries Eng. dialects 427
[3] other lang. —7
English " 423
[3] other " —3
in specific fields
[2] see subject —03
Glossopalatinus anatomy 611.73276
Glossopharyngeal nerve
anatomy 611.8319
nucleus of anat. 611.8186
physiology 612.8199
of taste 612.879
psychology " " 152.419
Glossopterides botany 585.972
paleobot. 561.5972
Glottis anatomy 611.225
physiology 612.7824

Gloucester co., Eng. hist. 942.41
NB " 971.512
NJ " 974.981
Va " 975.532
Eng., dialect 427.41
Glove factories archi. 725.415
fastenings mfg 685.48
Gloves costume 391.4
dom. economy 646.48
manufactures 685.4
Glowers
incandescent lighting 621.3265
Glucinum chemistry 546.45
processes phot. 772.82
Glucose
and nutrition physiol. 612.39613
chemic technology 664.1
chemistry of blood 612.1221
Glucosids pharmacy 615.333
Glucosuria, *see* Glycosuria
Glue
chemic technology 668.3
engineering materials 620.19
mfg and pollution
public health 614.746
office supplies 651.4662
painting medium 751.242
phot. chemistry 771.58
Glumaceae botany 584.8
Glumiflorae " 584.84
Gluteal arteries anat. 611.1376
muscles " 611.73814
nerves " 611.83571–72
Glutin
physiol. of nutrition 612.398146
Gluttony ethics 178.9
hygiene 613.25
Glycerin
chemic technology 668.2
chemistry of blood 612.123
metabolism, physiol. 612.39724
painting medium 751.242
Glycine soja, *see* Soybean
Glycocholic acid physiol. 612.35715
Glycogen
and nutrition physiol. 612.396112
chemistry of blood 612.1222
fermentation of physiol. 612.35214
Glycogenesis, hepatic
physiology 612.3521
Glycogenolysis physiol. 612.35214
Glycolysis
metabolism, physiol. 612.3962
Glycolytic ferments
botanic chemistry 581.19346
chemistry of blood 612.1223
physiologic chemistry 612.01516
Glycoproteids
physiol. of nutrition 612.3981453
Glycosids and nutrition
physiology 612.396175
Glycosmis (Rutaceae)
fruitculture 634.341
Glycosuria
after medulla oblongata
lesion physiology 612.46381
chem. of physiology 612.46621
hepatic " 612.35216
pancreatic " 612.3491
physiology of urine 612.46182
toxic physiology 612.4644
see also Diabetes
Glycuronic acid
metabolism, physiologic 612.39621
physiology 612.466631
Glynn co., Ga history 975.874
Glyphography engraving 762.3
Glyptography
carving 736
photographic f. arts 777.1
Gnats (Nematocera)
agricultural pests 632.771
pathology 616.9681
see also Mosquitoes
Gneiss petrology 552.42
Gnetales botany 585.1
Gnoli, Domenico It. poet. 851.83
Gnomes folklore 398.4
see also Dwarfs
maxims 398.9
Gnomic poets Gk classics 881
Gnomoniaceae botany 589.2351
Gnostics, Chr. heresies 273.1
philosophers 189.1
Goat
hair industry 677.33
milk cheese dairy indus. 637.3552
dairy industry 637.174
Rocky mountain (Bovidae)
domestic animals 635.2937
stables architecture 728.943
Goats (Bovidae)
diseases of vet. med. 619.3
domestic animals 636.39
Goatsbeard (Liguliflorae)
botany 583.552
Gobabis history 968.855
Gobang games 794.2
Gobelin tapestries
fancywork 746.3
Gobi desert, Mongolia hist. 951.739
Goblins folklore 398.4
occultism 133.14

God
and truth ontology 111.831
authority of soteriol. 234.21
doctrinal theology 231
in art 704.9485
Mother of, *see*
Madonna; Mary, Virgin
will of ethics 171.1
Go-Daigo Jap. history 952.02129
Godfrey, Thomas
American drama 812.12
Gods comp. mythology 291.21
paintings 753
Go-Enyu Jap. history 952.0229
Gōrz and Gradisca hist. 943.68
Goes, J A van der
Dutch poetry 839.31137
Goethe, J W Ger. drama 832.62
grape viticulture 634.84909
Go-Fukakusa Jap. hist. 952.02124
Go-Fushimi " " 952.021265
Gogebic co., Mich hist. 977.498
Goggles aircraft equip. 629.1357
Go-Hanazono Jap. hist. 952.0233
Go-Horikawa " " 952.02122
Go-Ichijo " " 952.01627
[4] **Goidelic languages 491.61**
Going-to-Jerusalem
children's games 796.14
Goiter pathology 616.44
Go-Kameyama Jap. hist. 952.0224
Go-Kashiwabara " " 952.0235
Gokinai history 952.185
Go-Kogon Jap. history 952.0228
Go-Komatsu
1383–93 Jap. history 952.02295
1393–1413 " " 952.0231
Go-Komyo " " 952.02513
Gold
and ivory sculpture
fine arts 731.27
braid manufactures 677.75
certificates fin. econ. 332.53
chemistry 546.91
clause fin. economics 332.422
cloth of special fabrics 677.61
Coast history 966.7
coin grape vitic. 634.845109
coinage metals 332.418
cure pathology 616.86
fabrics textile mfg 677.53
letters rare books 096.2
mfg factories archi. 725.434
metallurgy 669.2
Gold (cont.)
mineralogy 549.2
mining 622.3421
ores geol., economic 553.41
points foreign exchange 332.45
processes photography 772.34
standard fin. econ. 332.422
trimmings textile mfg 677.76
Golden
bull, 1222
Hung. constit. hist. 342.4391
1356
Ger. " " 342.43
Fleece, Order of the 929.715
rule ethics 171.1
spoon tree
(Malpighiaceae) bot. 583.214
state (Calif.) history 979.4
violet Provençal poet. 849.131
Goldenrod (Asteraceae) bot. 583.5543
Goldoni, Carlo It. drama 852.61
Goldsboro, NC history 975.6396
Goldschmidt, M A Dan. fict. 839.81365
Goldsmith, Oliver
English essays 824.66
fiction 823.64
poetry 821.64
Goldsmithing fine arts 739.22
manufactures 671
Goldthread brocade
special fabrics 677.61
Golf club grounds
landscape art 712.71
clubs architecture 728.43
courses lands. art 712.5476352
sports 796.352
Golf-croquet sports 796.354
Goll, tract of anatomy 611.8261
Gomberville, Marin
Le Roy de Fr. fiction 843.42
Gomera history 964.94
Go-Minoo Jap. " 952.02511
Go-Momozono " " 952.02528
Gomortegaceae botany 583.1148
Gomphonemaceae " 589.6234
Gomphrenoideae
(Amarantaceae) " 583.9131
Go-Murakami Jap. history 952.0222
Go-Nara " " 952.0236
Gonatozygaceae botany 589.612
[4] **Gond language 494.823**
Gondo history 966.61
Gonga district " 966.78

Gongora y Argote, Luis de
Spanish poetry 861.37
Gonidia veget. embryology 581.32542
generation 581.1653
Go-Nijo Japanese history 952.02127
Goniometry
crystallography 548.7
radio in navigation 621.38419136
Gonorrhea pathology 616.952
public health 614.548
Gonystilaceae botany 583.191
Gonystyloideae
(Thymelaeaceae) " 583.9331
Gonzalo de Berces
Spanish poetry 861.13
Goochland co., Va hist. 975.5455
Good and evil
dualistic heresies 273.2
Friday
Christology 232.963
music fine arts 783.27
ritual, Catholic 264.021
Greek 264.0191
Prot. Epis. 264.031
etc.
Hope, Cape of, Colony
history 968.7
manners
admin. control 351.76
natural theology 216
Templars temperance 178.0621
Goodeniaceae botany 583.58
Goodhue co., Minn hist. 977.614
Gooding co., Ida " 979.636
Goodness
and evil ontology 111.84
ethics 179.9
Goodwill flights
aircraft service 629.1383
in adver. bus. 659.112
Goose
Creek Mts, Ida. descr. 917.9639
games 795.1
Mother folklore 398.8
Gooseberries (Grossulariaceae) fruitculture 634.725
Gooseberry
Barbados (Cactaceae)
fruitculture 634.7757
Otaheite (Euphorbiaceae)
fruitculture 634.666
Goosefoot (Chenopodiaceae)
botany 583.914
Gopher
cultivator farming 631.3164
state (Minn) history 977.6
Gordiaceae zoology 595.131
Gordon co., Ga history 975.836
Gordonia " 968.786
Gore Range, Colo " 978.845
Gorée " 966.32
Go-Reizei Jap. " 952.01629
Gorgias philosopher 183.1
Gorgonzola cheese
dairy industry 637.3535
Gorham controversy baptism 265.1
Gorilla (Catarrhina)
mammalogy 599.82
Gorizia
history 943.68
Eur. w., 1915 940.4248
1916 940.4274
naval
operations 940.456
1917 940.4324
Gorkhali language 491.43
Gormandizing ethics 178.9
hygiene 613.25
Go-Saga Jap. hist. 952.02123
Go-Saiin " " 952.02521
Go-Sakuramachi " " 952.02527
Go-Sanjo " " 952.01631
Go-Shirakawa " " 952.01637
Goshu " " 952.181
Go-Shujaku " " 952.01628
Gosnold, Bartholomew
American history 973.17
Gospels
Bible 226
pseudo- Apocrypha 229.8
ritual, Catholic 264.026
Greek 264.0196
Prot. Epis. 264.036
etc.
Gosper co., Neb history 978.2387
Gosse, E W Eng. essays 824.88
Gossip ethics 177.2
Gossypium (Malvaceae)
field crops 633.51
Gotama Buddhism 294.3
Gothic
arches archi. constr'n 721.422
architecture 723.5
revival 724.3
Victorian 724.4
ecclesiology
practical theology 246.1

Gothic (cont.)
furniture
fine arts 749.241
English fine arts 749.221
kingdom Italian hist. 945.01
Spanish " 946.01
[4] **language** 439.9
sculpture fine arts 734.25
text Bible 220.49
vaulting
arched construction 721.456
Goths history, ancient 936.36
Gotland history 948.6
Goto islands " 952.214
Go-Toba Jap. " 952.02111
Gotorn, Nathaniel, *pseud.*
American fiction 813.33
Go-Tsuchimikado Jap. hist. 952.0234
Gottfried von Strassburg
German poetry 831.25
Gottschall, K R
German drama 832.84
Gottsched, J C Ger. drama 832.54
L A V (Kulmus)
Ger. drama 832.55
Gouache colors painting 751.232
painting f. arts 751.42
Go-Uda Japanese history 952.021255
Goudelin, Pierre
Provençal poetry 849.141
Goumi (Elaeagnaceae)
fruitculture 634.743
Goupil gravures phot. 777.5
process " 778.1
Gourbu grape viticulture 634.8544
Gourds
(Cucurbitaceae) bot. 583.461
edible (Cucurbitaceae)
garden crops 635.62
wax-(Cucurbitaceae)
garden crops 635.618
Gourmets domestic economy 641.01
Gournay fowls (Gallinae)
agriculture 636.546
Gout and genius psychol. 151.163
pathology 616.991
Gouveio grape viticulture 634.85469
Gove co., Kan history 978.115
system suffrage 324.224
Government
advertizing by 351.8
aid to libraries 021.83
and railways sociol. 385.0162
Government (cont.)
appointment
legislative bodies 328.3351
bonds public finance 336.31–.32
buildings
architecture 725.1
city planning 711.661
civil service 351.71
bureaus
architecture 725.132
departments, etc.
in specific fields
[2] see subject —061
centers city planning 711.451
zoning 711.551
central administration 351
of Japan 354.52
Portugal 354.469
Turkey 354.496
etc.
US 353
coinage fin. econ. 332.46
colonial polit. sci. 325.315
control
and ownership commerce 380.162
journalism 070.15
museum organization 069.61
of consumption
polit. econ. 339.47
forests agric. 634.9252
in other specific
[2] fields see subject —00037
corporations commerce 380.162
ecclesiastic theology 262
employes economics 331.795
expenditures, expenses,
etc. finance 336.39
federal republics 321.8
forms political science 321
guaranty of credit
financial economics 332.745
production 338.91
public credit 336.341
intervention
capital & labor 331.9
production 338.91
[1] **libraries** 027.5
loans public finance 336.3
local, *see* Local gov't
lotteries public fin. 336.381
military colonization 325.315
officers
in legislative bodies 328.3321
legislative power over 328.345

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Government (cont.)
ownership & control
land 333.1
postal service
communication 383.4
provincial Ger. admin. 352.04301
publications publishing 655.59
representative
political science 321.8
science of 320
securities
income taxation 336.244
tax exemption 336.294
service suffrage limit. 324.177
subsidies production 338.91
unit libraries 027.65
vessels shipbuilding 623.825–.826
see also Public
Governess
education of women 376.3
private education 373.1
Governors
[1] **biography** 923.2
mansions architecture 725.17
motor vehicle engines 629.258
steam turbines 621.16535
Gower, John Eng. poet. 821.18
tract of anat. 611.8254
Gowns
academic univ. & col. 378.29
domestic economy 646.434
Go-Yozei Japanese hist. 952.024
Gozzi, Carlo It. drama 852.62
G C " wit 857.61
Graafian follicles anat. 611.6512
Graaff-Reinet history 968.744
Grabbe, C D Ger. drama 832.71
Grabouge card games 795.4
Gracchi Roman history 937.05
Grace
and belief soteriology 234.22
esthetics 701.17
see slso specific subj.
soteriology 234.1
supernatural, denied
heresies 273.5
Graces classic mythology 292
Gracilis anatomy 611.73825
Gradation methods
psychophysics 152.8232
Grade crossings
city planning 711.724
railroad " 625.11
railway city " 711.753
track accessories 625.16
of sewers san. eng. 628.219
Grades railway eng. 625.11
road " 625.72
school credits 371.26
Grading
landscape construction 713.2
railway engineering 625.12
school education 371.25
public 379.17
Gradisca history 943.68
Eur. w. 940.4248
Gradual sacred music 783.23
Gradualism socialism 335.5
Graduate depts
univ. & col. 378.1553
Graduated syst. suffrage 324.224
Graduates practical chem. 542.35
Graduation end of school 371.2912
Grady co., Ga history 975.8986
Okla " 976.654
Graffiti
Latin inscriptions 471.7
Graffito
decoration architecture 729.63
ceramics 738.15
Graft bills legis. abuses 328.367
ethics 174.7
political ethics 172.2
Grafting
animal physiology 612.602
bridge- agric. prot'n 632.8
implements agriculture 631.341
plant culture 631.541
Grafton co., NH history 974.23
Grafts
protecting agriculture 631.5417
vegetable propagation 581.16582
variation 581.1583
Graham
A J, shorthand, English 653.42
system 653.723
county, Kan history 978.116
NC " 975.697
Grahamstown " 968.757
Grail legend folklore 398.22
Grain
as money 332.56
Coast history 966.6
elevators architecture 725.362
metrology 389
mills architecture 725.47
photographic sentitometry 771.5345
Polish (Coccidae) agric. 638.36
production economics 338.1731
scarlet (Coccidae) agric. 638.34
size sensitive emulsions 771.533
zootechny 636.0861

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Grainger co., Tenn hist. 976.893
Graining
apparatus phot. plates 771.43
lithography 763.3
painting trade 698.1
photographic prints 770.2846
photogravure 777.1
photometalography 776.2
Grains
art anatomy 743.75
for market,
preparation agric. 631.561
(Poaceae) agriculture 633.1
Grallae ornithology 598.3
Gram metrology 389.1
Grama (Chlorideae) botany 584.935
Graminaceae " **584.9**
Graminales " **584.8**
Grammar
elementary education 372.6
English 425
[3] other lang. —5
errors in 428.3
[3] other lang. —83
music 781.21
philology 415
schools
[1] **admission 371.212**
architecture 727.1
elementary educ. 372.242
public 379.172
see also Education, elementary
Grammatic abbreviations 653.241
Grammaticus, Saxo
Danish literature 839.81811
Gramophone, *see* Phonograph
Granada
Luis de Spanish lit. 868.32
Granada goat (Bovidae)
domestic animals 636.396
history 946.8
Granaries architecture 728.9531
farm economics 631.23
Grand
Army of the Republic
US societies 369.151
Bassam history 966.681
Canal, China " 951.11
Canary " 964.92
Cañon of the Colo., Ariz 917.91
Coulee, Wash history 979.732
county, Colo " 978.865
Gulf, Miss., battle, 1863
US Civil war 973.753
Grand (cont.)
Island, city, Neb hist. 978.2411
Isle co., Vt " 974.31
Junction, Colo " 978.8171
Lake
Cameron parish, La. 917.6352
Colorado 917.8865
Iberia Parish, La. 917.6349
Manan island, NB hist. 971.533
Mesa nat'l forest, Colo 917.8817
old party US politics 329.6
Popo, Africa hist. 966.83
Rapids, Mich " 977.456
River valley, Colo " 978.811
Traverse co., Mich " 977.464
Grandcourt Eur. w., 1916 940.4272
1917 940.4314
Grande Ronde valley, Ore
history 979.571
Grandfather's clock mfg 681.1135
Grandstands architecture 725.827
Grangers agric. ass'ns 630.6273
Granite
geology, economic 553.52
petrology
metamorphic rocks 552.41
plutonic " 552.33
quarrying 622.352
radio insulating material 621.38417910132
state, (NH) history 974.2
Grant, U S, pres. US hist. 973.82
co., Ark history 976.771
Ind " 977.269
Kan " 978.172
Ky " 976.9395
Minn " 977.644
Neb " 978.278
Okla " 976.623
Ore " 978.578
Wash " 979.732
WVa " 975.492
Wis " 977.577
parish, La. " 976.367
Grants
as incentive to study
[2] see subject —079
in aid public finance 336.18
industrial production 338.91
land
public finance 336.13–.14
to pub. schools educ. 379.123
Granville co., NC hist. 975.6535

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Grape
blight (Peronosporineae)
botany 589.252
botany viticulture **634.831**
cure therapeutics 615.854
sea- (Polygonaceae)
fruitculture 634.664
shot ordnance 623.45122
varieties ampelography **634.836**
Grapefruit (Rutaceae)
fruitculture 634.323
Graperies architecture 728.98
Grapes
American native vitic. **634.84**
(Vitaceae) fruitculture **634.8**
see also Vinifera, vitis; Viticulture
Graph processes photomech. 774.9
Graphic
arts **700**
calculators
manufactures 681.144
office equipment 651.2645
charts mech. drawing 744.42
expression psychology 158.84
formulas, chemic
see Chemic formulas
methods
psychol. measurements 151.264
phonetic shorthand syst. **653.77**
representation
in specific fields
[2] see subject —084
resources & limitations
shorthand 653.121
statics physics **531.2**
symbols shorthand **653.12**
Graphics drawing **740**
of light and shadow
geom., descr. 515.7
statistical 311.26
Graphidineae botany 589.172
Graphite geology, economic 553.26
Graphitic anthracite
geology, economic 553.25
Graphology characterology **137.7**
Graphoscopes photography 771.46
Graphs advertizing copy 659.1323
statistical
office records 651.5636
Grass
arrow (Juncagineae) bot. 584.744
China (Urticacea)
fiber crops 633.55
Grass (cont.)
cotton (Cyperaceae) bot. 584.841
cuscus (Andropogoneae)
perfume crops 633.815
eel (Hydrales) botany 584.11
(Potamogetonaceae)
botany 584.742
esparto (Agrostideae)
cordage manufactures 677.71
fiber crops 633.583
textile manufactures 677.542
scurvy (Brassicaceae)
garden crops 635.564
tape (Hydrales) botany 584.11
Grasses (Poaceae)
field crops **633.2**
floriculture 635.964
species **635.9349**
landscape art 716.17362
zootechny **636.0862**
Grass-hook agriculture 631.3511
Grasshoppers
green (Locustidae)
agricultural pests 632.728
(Saltatoria)
agricultural pests **632.726**
see also Crickets, Locusts
Grasslands natural lands. 719.234
Grate
rectification radio 621.38413233
surfaces
steam boiler furnace 621.1831
Grateloupiaceae botany 589.415
Grates
locomotive boilers 621.1332
steam boiler furnaces **621.18352**
stokers 621.18362–64
Gratings
architectural constr'n **721.87**
design **729.387**
carved architecture 729.594
metal manufactures 677.53
painted architecture 729.494
timber foundations
architecture 721.162
Gratiot co., Mich hist. 977.449
Gratitude ethics 179.9
Gratius Faliscus
Latin poetry 871.4
Grattan, Henry
English oratory 825.65
Gratuities wages 331.238
Grave mounds archeology 571.92

Gravel
elevators archi. 725.366
foundations archi. 721.11
petrology 552.51
phisiology and pathology
see Calculi
roads enginecring 625.73
Graves
architecture 726.82
cemetery regulations 718.3
county, Ky history 976.993
Graves'
disease pathology 616.44
grape viticulture 634.8544
Gravestones
cemeteries 718.66
cemetery architecture 726.82
sculpture 731.76
Graveyards, *see* Cemeteries
Gravimetric anal. chem. 545.1
Gravina, G V It. essays 854.55
Graving docks harbor eng. 627.3
shipbuilding 623.83
Gravitation
astronomy 521.12
mechanics 531.51
system waterworks 628.12
Gravity
and plant dissemination
botany 581.52264
center of statics 531.24
chronometers psychometry 152.8323
chutes logging 634.98255
effect on plants bot. 581.52225
experiments geodesy 526.7
physics 531.5
railways engineering 625.3
roads & planes min'g 622.64
specific
chemistry of blood 612.121
hydraulics 532.4
mechanics 531.54
physics of soil 631.431
practical chemistry 542.33
Gray, Thomas Eng. poet. 821.61
co., Kan history 978.174
Friars Franciscans 271.3
hair pathology 616.54
nuns relig. orders 271.97
sisters " " 271.91
substance
cerebellar anat. 611.81713
spinal " 611.822
Gray (cont.)
system, multiplex
telegraphy 621.38237
telautograph
telegraphy 621.3826
Grays Harbor co., Wash
history 979 795
Grayson co., Ky " 976.984
Va " 975.5717
Grazing
and forest policy agric. 634.925174
forest uses 634.994
land polit. econ. 333.74
zootechny 636.08422
Grazzini, A F It. fict. 853.41
Grease chemic tech. 665.2
Greased poles recreation 791.7
Greasing
motor vehicles, care of 629.2884
Great
Appalachian valley, Tenn
history 976.88
Britain
history 942
Soc. of the 2d war with,
in the state of NY 369.144
see also England
circle sailing naviga. 527.5
Lake, China history 951.13
Lakes " 977
Plains, Colo " 978.87
counties
Nebraska " 978.26
Popo " 966.83
Smoky Mts nat'l park 917.6889
NC history 975.696
Tenn " 976.889
Valley, Ga " 975.83
wall, China " 951.41
war, 1914–19
see European war
1914–19
Greban, Arnoul Fr. drama 842.21
Grebe (Pygopodes) ornithol. 598.44
Grecian
bend costume 391.2
see also Greek
Greco-Roman archi. styles 722.6
Greece campaign Eur. w. 940.4285
history ancient 938
modern 949.5
Greed ethics 179.8
Greediness " 178.9
hygiene 613.25

Greek
archipelago hist. 949.9
ancient 939.1
architectural styles 722.8
revival of 724.23
calendar
ancient chronology 529.3
Julian " 529.42
[1] **church** 281.9
creeds doc. theol. 238.19
in Russia ch. hist. 270.8
under Moslems
ch. hist. 270.5
dialects philology 487
fire customs of war 399
[4] **language, classic** 480
modern 489
letter societies
student life 371.85
literature
classic 880
medieval & modern 889
mythology comp. relig. 292
[1] **neo-, architecture** 724.6
paleography philology 481.7
philosophers 180
religion, non-Christian
biography 922.92
sculpture fine arts 733.3
text Bible 220.48
war of independence 949.506
Greeley, city, Colo hist. 978.8721
co., Kan " 978.141
Neb " 978.249
Green, Joseph Amer. poet 811.14
Green
algae (Chlorophyceae) bot. 589.47
Bay, Wis history 977.561
coloring matter
secretion botany 581.14442
county, Ky history 976.9695
NY " 974.737
Wis " 977.586
early grape vitic. 634.84709
grafting agriculture 631.54137
grasshopper (Locustidae)
entomology 595.728
Lake co., Wis hist. 977.559
manures fertilizers 631.874
Mountain state (Vt) hist. 974.3
Mountains " " 974.3
River, Ky " 976.98
knobs, " " 976.966
slimes (Protococcales) bot. 589.475
wood pruning agric. 631.5422
Greenback party
US politics 329.82
Greenbacks fin. econ. 332.53
Greenbrier
county, WVa hist. 975.488
River valley " " 975.486
Greene
Robert English drama 822.31
Greene co., Ala hist. 976.142
Ark " 976.799
Ga " 975.861
Ill " 977.384
Ind " 977.242
Ia " 977.7466
Miss. " 976.217
Mo " 977.898
Neb " 978.2324
NC " 975.639
O " 977.174
Pa " 974.883
Tenn " 976.891
Va " 975.5375
Greenhouses
agricultural equipment 631.3444
protection 631.5444
architecture 728.98
botany 580.7252
city planning 711.669
floriculture 635.982
landscape art 716.3
see also Nurseries
Greenland
discovery of Scan. hist. 948.02
history 998
Greenlaw process phot. 772.12
Greens garden crops 635.4
Greensand petrology 552.58
Greensboro, NC history 975.6622
Greensickness gynecology 618.17
pathology 616.15
Greensville co., Va hist. 975.557
Greenup co., Ky " 976.929
Greenville
city, Ill., treaty of
1795 US hist. 973.43
Miss. hist. 976.2421
county, SC " 975.727
Greenwich, Eng. " 942.16
Greenwood co., Kan " 978.191
SC " 975.733
Greer co., Okla " 976.644
Gregarinidae zoology 593.19
Gregariousness
biology 575.35
botany 581.55
zoology 591.55

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Gregg, J R, shorthand
English 653.42
system 653.751
Gregorian
calendar chronology 529.43
chant ecclesiology 246.8
sacred music 783.5
Gregory 7, pope
church history 270.4
history, European 940.14
Italian 945.03
Greiffenson von Hirschfeld
Samuel, *pseud.* Ger. fict. 833.52
Grein golden grape vitic. 634.843209
Grenache grape
French viticulture 634.8544
Spanish " 634.8546
Grenada co., Miss hist. 976.2635
Grenades ordnance 623.45114
Grenadiers infantry 356.16
Grenadine textile mfg 677.65
tulle " 677.654
Grenoble history 944.99
Grenville co., Ont hist. 971.374
Grès ceramics 738.33
Gresban, Arnoul Fr. drama 842.21
Gresham's law fin. econ. 332.423
Gresset, J B L Fr. wit 847.51
Gressoria entomology 595.723
Grevilleoideae (Proteales)
botany 583.932
Grévin, Jacques Fr. drama 842.35
Grévy, Jules presidency 944.08
Grey, *see also* Gray
Grey co., Ont history 971.318
Greyiaceae botany 583.2872
Grid leaks radio 621.3841333
Grids voltaic cells 621.3522
Grief, pathologic medicine 616.8954
psychol. 132.1954
Griego-Romano architecture 724.14604
Griepenkerl, W R
German drama 832.72
Grievous, Peter, *pseud.*
American wit 817.14
Griffin, city, Ga. hist. 975.8441
folklore 398.4
Grignolino grape vitic. 634.8545
Grillages
foundations archi. 721.162
Grilling cookery 641.76
Grillparzer, Franz
German drama 832.73
Grills
architectural constr'n 721.874
carved archi. dec. 729.594
ironworks fine arts 739.48
landscape structures 717.83
painted archi. dec. 729.494
Grimmelshausen, H J C
German fiction 833.52
Grimmiales botany 588.2145
Grimm's law philology 412
Grimoire sorcery 133.43
Grinding
machines mech. tools 621.92
practical chemistry 542.22
shop eng. works 621.795
Grindstones mach. tools 621.923
Gringore, Pierre
French drama 842.23
Grippe pathology 616.203
public health 614.54
Griqualand East hist. 968.63
West " 968.78
Grisaille glass windows
architectural decoration 729.87
Grisson swine (Suidae)
domestic animals 636.449
Gristle histology 611.0183
physiology 612.7512
Gristmills architecture 725.47
Grocery stores dom. econ. 641.4
Groined vaults
arched construction 721.44
Groins landscape art 717.74
Grooming zootechny 636.0833
Grootfontein history 968.89
Grooving machines
mechanical tools 621.91
Gros Colman grape vitic. 634.849
d' Ecosse
silk industry 677.4164
special fabrics 677.61
Groselles (Grossulariaceae)
fruitculture 634.72
Groslot grape viticulture 634.8544
Gross vs net proceeds
wealth distribution 339.23
Grossi, Tommaso It. fict. 853.73
Grossulariaceae botany 583.381
Grotesque
designs fine arts 745.44
drawings " " 741.5
sculpture " " 731.52
Grotesqueness esthetics 701.17
see also specific subject

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Grotesques, carved archi. 729.532
painted " 729.432
Grottoes
architecture 728.991
landscape art 717.685
physiography 551.44
Ground
air hygiene 613.14
public health 614.773
and air, urban
public health 614.78
conditions public health 614.77
connections
radio antennas 621.38413582
cover landscape art 715.1754
covering vines floric. 635.9748
fall of min'g dangers 622.83
forms
and plantations
lands. art 715.143
trees lands. art 715.243
cemeteries 718.62
landscape constr'n 713.5
natural lands. art 719.22
glass phot. printing 771.41
hygiene of indus. san. 628.5
pub. health 614.7
plans architecture 729.21
rent land economics 333.62
rules arithmetic 511.2
screens radio antennas 621.38413582
skidding logging 634.982522
water agric. soil 631.432
physiography 551.49
Groundcherry (Solanaceae)
garden crops 635.647
Ground-ice geology 551.31
Grounding
radio measurements 621.38417125
Ground-pines
(Lycopodiaceae) bot. 587.922
Grounds
landing aeronautics 629.136
landscape design 712.4
private lands. art 712.7
radio circuits 621.38413383
Groundsel
(Senecionidaceae) bot. 583.5536
Ground-substance
bone tissue histology 611.01843
connective tissue " 611.01823
Group
activities soc. psychol. 301.153
cutting silviculture 634.95224
design city zoning 711.52
Group (cont.)
discussion educ. meth. 371.37
express rates railways 385.132355
insurance
see Insurance, group
mentality sociology 301.15
passenger rates
railways 385.13227
reactions soc. psychol. 301.15
system curriculum 375.005
tests education 371.26
unity sociology 301.152
Groups
economic suffrage of
production 338.91
fine arts 704.942
social
legislatures 328.3344
political science 323.3
psychology 301.15
suffrage 324.227
Grouse (Gallinae) ornithology 598.61
Groves landscape art 715.268
Groveton, Va, battle, 1862
US Civil war 973.7328
Growing regions
physiologic botany 581.13422
Growth
after birth physiol. 612.65–.66
and food rationing
physiology 612.394
biology 574.134
control forest nursery 634.95647
disproportionate surgery 617.37
incomplete orthopedics 617.31
methods physiol. bot. 581.13423
of cities admin. 352.001
physiologic botany 581.134
zoology 591.134
plant agriculture 631.547
histology 581.814
primary physiol. bot. 581.1342
properties of
living matter 577.3
provision for
industrial archi. 658.231
office bldg 651.13
rate botany 581.13412
lands. planting 715.1732
2dary physiol. bot. 581.1343
Grubber farming 631.3162
Grubbiaceae botany 583.946
Grubbing ax & hoe
farm tools 631.3116
Grubs (Coleoptera)
agricultural pests 632.76

Grun, Anastasius, *pseud.*
German poetry 831.77
Grundtvig, N F S
Danish poetry 839.81163
Grundy co., Ill history 977.3265
Ia " 977.7537
Mo " 977.8215
Tenn " 976.878
Gruyère cheese dairy indus. 637.3544
Gryllidae entomology 595.729
Gryphius, Andreas
German drama 832.51
Guadaloupe co., Colo hist. 978.833
Guadalupe sheep (Bovidae)
domestic animals 636.362
Guadelupe history 972.97
Gualteruzzi, Carlo
Italian fiction 853.11
Guam history 996.7
Guanaco (Cameloidea)
domestic animals 636.296
textile industry **677.32**
Guanajuato history 972.4
Guano fertilizers **631.854**
geology, economic 553.64
Guanza history 967.32
Guaranteed credit, gov't
financial economics 332.745
production 338.91
public credit 336.341
Guaranties commercial law 347.7
insurance 368.81
Guard, Theodore de la, *pseud.*
American wit 817.11
Guard
cells veget. morphol. 581.42122
duty aircraft service **629.1384**
military science 355.412
houses, railway archi. 725.33
national mil. sci. 355.351
rooms architecture 725.185
Guardabassi process phot. 772.18
Guardato, Tommaso
Italian fiction 853.31
Guardianship priv. law 347.6
Guards
agricultural prot'n 632.9
architectural constr'n **721.87**
design **729.387**
axle railway eng. 625.21
cattle " " 625.16
military units 355.31
Guarini, G B It. poetry 851.45
Guatemala history 972.81
Guava (Myrtaccae)
fruitculture 634.421
Gubbio, Bosone di
Raffaelli da It. fict. 853.14
Gubernatis, Angelo de
Italian literature 858.81
Gubuluwayo history 968.923
Gudrun German poetry 831.22
Guelderland fowls
(Gallinae) agriculture 636.548
Guelph, Ont history 971.343
Guelphs Italian " 945.04
Guemes Island, Wash. " 979.772
Guercy grape viticulture 634.8544
Guerilla
irregular infantry 356.15
life military science 355.12
warfare int'l law 341.3
mil. sci. 355.425
Guernsey cattle (Bovidae)
domestic anim. 636.2244
co., O history 977.192
island " 942.34
Guerrazzi, F D It. fict. 853.74
Guerrero history 972.7
Guerrière and Constitution
ships War of 1812 973.5251
Guerrini, Olindo It. poet. 851.87
Guessing games recreation 793.73
Guest card games 795.41
Guggisberger goat (Bovidae)
domestic animals 636.3936
Guiana history 988
Guicciardini, Francesco
Italian essays 854.34
Guidance
education **371.42**
vocational education 371.425
Guideboards advertizing 659.134
Guidebooks
museum economy 069.53
travel 910.2
in other specific fields
[2] see subject —02
Guides
filing office records 651.552
insurance of bus. 368.41
land settlement
farm economics 631.11
mountaineering 796.521
office fittings 651.4658
schedules, etc.
transport business 656
travel 910

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Guidi, C A Italian poetry 851.55
Guidiccioni, Giovanni
Italian poetry 851.37
Guido da Pisa It. fict. 853.13
Guienne history 944.7
Guilds, *see* Gilds
Guilford co., NC history 975.662
Court House, NC
battle
Amer. revol. 973.3372
Guillaume de Lorris
French poetry 841.18
Guillotine criminal law 343.2
photography 771.41
Guinea
English history 966.51
fowls (Gallinae) agric. 636.593
French history 966.52
goat (Bovidae) dom. anim. 636.3986
goose (Anseres) agric. 636.59886
Gulf of, islands hist. 966.99
Lower history 967.1
New " 995
pig hutches archi. 728.946
pigs (Rodentia) dom. anim. 636.9
Portuguese history 966.57
sheep (Bovidae)
dom. anim. 636.386
Spanish history 967.18
squash (Solanaceae)
garden crops 635.646
swine (Suidae)
domestic animals 636.486
Upper history 966.5
Guinizzelli, Guido
Italian poetry 851.13
Guiot de Provins Fr. wit 847.11
Guipure lace mfg 677.655
Guitar music 787.61
Guittone d'Arezzo It. poet. 851.12
Gujerati archi. styles 723.34
" **language 491.47**
Gulf coast reg., Ala hist. 976.12
La. " 976.32
coastal plain area
Ark history 976.75
counties, Miss hist. 976.211
county, Fla " 975.9947
embayment, Ky " 976.99
of Mexico
and Caribbean
sea route
commerce 387.5225
physiography 551.463
Gulf (cont.)
Society of the army
and navy of the 369.156
squadron US Civ. war 973.756
state (Fla) hist. 975.9
states, US " 976
see note under Virginia
stream oceanography 551.471
Gulfport, Miss history 976.2133
Gulfs hydrography 526.99
Gull (Longipennes) ornithol. 598.42
Gullet, *see* Esophagus
Gulliver, Lemuel, *pseud.*
English wit 827.52
Gulu history 967.616
Gum apiculture nat. hist. 638.1216
photographic chem. 771.58
printing on bromids
photography 773.15
sweet- (Hamamelidaceae) bot. 583.394
Gum-bichromate
printing phot. 773.122
ferric process " 772.22
gallic " " 772.14
silver " " 772.13
tree
black (Cornaceae) bot. 583.497
sour (Nyssaceae) " 583.415
Gumbo (Malvaceae)
garden crops 635.648
Gumma history 952.1385
Gummed gauze mfg 677.68
Gumming textile process 677.02824
see also special fibers
Gums
anatomy 611.314
and nutrition physiol. 612.39612
field crops 633.816
painting mediums 751.242
see also Resins and gums
Gnn cameras photography 778.52
carriages, traction of
ballistics 623.58
factories archi. 725.437
making arsenals 623.47
mounts, reaction of
ballistics 623.57
Gunboats shipbuilding 623.825
Guncotton chemic tech. 662.2
Gunnbjörn Amer. history 973.13

Gunneroideae
(Haloragaceae) botany 583.417
Gunnery military eng. 623.5
Gunning sports 799.2
Gunnison co., Colo hist. 978.841
Gunpowder
and safety pub. health 614.832
care of military eng. 623.48
chemic technology 662.3
manufacture hygiene 613.66
ordnance 623.4521
plot English history 942.061
Guns
automatic small arms 623.4424
capture by zootechny 636.081112
fine arts 739.74
forms and interior of ordnance 623.423
ordnance 623.42
preservation of military engineering 623.4812
theory of ballistics 623.51
Gunshot wounds surgery 617.145
Gunsmithing trades 683
Gunter's scale
mathematical instr. 510.78
Gurara history 965.7
Gurjun-balsam
(Dipterocarpaceae) bot. 583.167
Gurma history 966.25
Gurra " 966.63
Gushu " 952.291
Gussets mot. veh. frames 629.2425
Gustaf 2 Adolf Swed. lit. 839.7824
3 Swed. drama 839.7252
Gustation anat. of taste 611.87
physiology 612.87
psychology 152.4
Gustatory
chromisms psychology 152.77124
illusions " 152.734
phonisms " 152.7724
synesthesia " 152.774
Gustavus Adolphus
Scandinavian history 948.04
Gut trade and pollution
public health 614.742
Gutedel grape
Austrian viticulture 634.85436
French " 634.8544
Gutenberg, Johannes
history of printing 655.111
Guthrie, city, Okla hist. 976.6331
co., Ia " 977.749
Gutierrez, Antonio Garcia
Spanish poetry 861.54
Gutta
percha
latex forest products 634.9865
see also Resins and gums
products mfg 678
radio insulating material 621.38417910197
serena ophthalmology 617.73
Guttation physiol. bot. 581.129
Gutters
road engineering 625.888
lands. constr'n 713.71
Guttiferaceae botany 583.163
Guttiferae " 583.163
Guttiferales " 583.16
Guttulinaceae " 589.292
Gutu history 968.9335
Gutzkow, K F Ger. drama 832.78
Guyandotte River valley
West Virginia history 975.441
Guyot de Provins Fr. wit 847.11
Guyot, Mt, Tenn descr. 917.68895
Guys for poles
electric lines 621.319223
Guysborough co., NS hist. 971.621
Gwanda " 968.921
Gwelo " 968.927
Gwinett co., Ga " 975.822
Gwyn grape viticulture 634.846709
Gyalectaceae botany 589.171
Gyllembourg-Ehrensvärd
T C Danish fiction 839.81361
Gyllenborg, G F Swed. poet. 839.7146
Gymkhana athletics 796.8
Gymnasia, Ger. admission 371.21343
Gymnasiums architecture 725.85
city planning 711.668
landscape art 712.545
school bldgs 371.624
YMCA 267.32
Gymnastic dancing 796.41
Gymnastics
athletics 796.4
curative therapeutics 615.82
hygiene 613.71
school hygiene 371.732
see also Calisthenics
vocal music 784.93
oratory 808.5
Gymnoascaceae botany 589.238
Gymnocarpeae " 589.17
Gymnodiniaceae " 589.973236
Gymnodiniales " 589.97323

Gymnolaemata zoology 594.71
Gymnosophists philosophers 181.4
Gymnospermae botany 585
forestry 634.975
Gynandrae (Orchidaceae) bot. 584.15
Gynecology 618.1
Gynoccium floral anatomy 581.463253
Gypsum
fertilizers 631.821
geology, economic 553.63
Hills, Okla descr 917.6617
petrology 552.53
Gyrations plant movements 581.184
Gyri operti anatomy 611.81319
Gyrophoraceae botany 589.171
Gyropilot aircraft equip. 629.13512
Gyroscope " " 629.13516
descr. astron. 523.28
theory of
physics 531.34
see also Giros
Gyrostemonaceae
(Phytolaccaceae) bot. 583.915
Gyrus hippocampi anatomy 611.81314

H

Haarlem, Netherlands
history 949.2
of printing 655.112
Habakkuk Bible 224.95
Habeas corpus priv. law 347.1
Habenulae anatomy 611.8145
Haberdashery dom. econ. 646.32
Habersham co., Ga. hist. 975.8125
Habit physiol. of brain 612.82134
psychology 158.43
Habitations
demography 312.9
human hygiene 613.5
see also Abode, Dwellings
Habits
customs & manners 390
see also Customs, national
morbid hygiene 613.87
of animals zoology 591.5
bees apiculture 638.1215
children dom. econ. 649.6
plants botany 581.5
workmen's economics 331.84
Habitudes psychol. of will 159.3
Hack licenses loc. gov't 352.8
Hackberry (Prunaceae) bot. 583.37
(Ulmaceae) " 583.9625
Hackländer, F W Ger. fict. 833.78
Hackles textile equip. 677.02851
Hackling textile process 677.02821
see also special fibers
Hackney, London history 942.14
Hackney coach horse
(Equidae) dom. anim. 636.1423
Hadamar von Laber
German poetry 831.32
Haddington history 941.45
Hades eschatology 236.4
Roman mythology 292
Hadley's quadrant
astronomic instrument 522.41
Hadramaut, anc. lang. of 492.97
lit. of 892.9
history 953.4
Haema-, Haemato-, Haemo-,
etc., *see* Hema-, Hemato-,
Hemo-, etc.
Häring, Wilhelm Ger. fict. 833.75
Hafnium chemistry 546.832
Hagerstown, Md history 975.292
Haggai Bible 224.97
Hagiology biography 922
Hagioscopes
window constr'n, external 721.845
internal 721.855
Hague, The
history 949.2
tribunal int'l law 341.1
Ha-has landscape art 717.85
Hahnemann, theory of
therapeutics 615.53
Hahn-Hahn, Ida Ger. fict. 833.76
Hail
insurance business 368.5
storms agric. hindrances 632.14
meteorology 551.55
Haimonskinder Ger. poet. 831.37
Hainan, China history 951.278
Hair
anatomy 611.781
animal, in clothing
domestic economy 646.17
care of hygiene 613.49
diseases pathology 616.54

Hair (cont.)
engineering materials 620.198
fabrics manufactures 677.56
felts " 677.63
physiology 612.799
wool industry 677.313
Hair-caps (Polytrichaceae)
botany 588.2111
Haircloth manufactures 677.56
Hairdressing
customs toilet 391.5
toilet 646.7
Hairiness, hand palmistry 133.622
Hairs vegetable morphol. 581.4781
Hairworm (Gordiaceae) zool. 595.131
Haiti history 972.94
Hakodate " 952.411
Hakushu " 952.1955
Hala (Pandanaceae) bot. 584.611
Halapepe (Liliaceae) " 584.32
Halation
photographic chemistry 771.537
prevention photography 770.2817
Halberds weapons 399
Haldimand co., Ont hist. 971.337
Hale, Nathan Amer. revol. 973.385
Hale co., Ala history 976.143
Haley-over games 796.37
Half
domes arched constr'n 721.47
doors archi. " 721.833
gables roof " 721.587
vaults arched " 721.455
windows archi. " 721.843
Halfa
Africa history 962.41
fibers (Agrostideae)
cordage mfg 677.71
field crops 633.583
textile mfg 677.542
Half-repeaters telegraphy 621.38326
Half-timber archi. style 724.7
Halftimbered walls
architectural constr'n 721.21
Half-tone processes
collotype photography 774.7
photo intaglio 777.1
photolithography 775.7
photometalography 776.7
photorelief 777.3
Half-way covenant
Congregationalists 285.8
Haliburton, T C Amer. wit 817.38
Haliburton co., Ont hist. 971.361
Halibut (Anacanthini)
ichthyology 597.56
Halic formations botany 581.52652
Halicz Eur. w., 1914 940.4225
1915 940.4253
1917 940.4325
Halids organic chemistry 547.7
Halifax co., NC history 975.648
NS " 971.622
Va " 975.566
NS, fishery award
1873 US hist. 973.83
Hall, Joseph Eng. wit 827.33
Hall co., Ga history 975.827
Neb " **978.241**
furnishing
domestic economy 645.61
marks
plate 736.8
precious metals arts 739.2188
Halle swine (Suidae)
domestic animals 636.431
Halleck, Fitz-Greene
American poetry 811.31
Hallel Psalms 223.4
Hallers network anatomy 611.6315
Halley's comet astronomy 523.64
method " 523.94
Hallman, C I Swed. drama 839.7251
Hallotype process
photographic prints 770.2843
Halloween folklore 398.3323
soc. customs 394.268
Halls
architectural plans 729.25
student society premises 371.86
Hallucinations
hypnotic dreams 135.33
hypnotism 134.52
physiology of brain 612.82189
psychology 133.22
spiritism 133.90164
telepathic psychology 133.82
veridic spiritism 133.90162
Hallucinosis
chronic medicine 616.898126
psychology 132.198126
medicine 616.8936
psychology 132.1936
Halm, Friedrich, *pseud.*
German drama 832.75
Halma games 794.2
Halogen group chemistry 546.12
Haloids organic chemistry 547.4

Halophytes veget. ecol. 581.52652
Haloragaceae botany 583.417
Halos optics 535.4
religious art 246.5
Halsey nat'l forest, Neb
description 917.82774
Halting standard
financial economics 332.422
Halton co., Ont history 971.353
Ham, Fr. Eur. w., 1918
Mar. 940.4341
Sep. 940.4354
Hamadan Eur. w., 1915 940.4264
1916 940.4294
1917 940.4334
Hamamelidaceae botany 583.394
Hamamelis pharmacy 615.323394
Hamar history 948.3
Hamarua " 966.98
Hamatum anatomy 611.71778
Hamblen co., Tenn history 976.892
Hamburg " 943.515
Hamburg
fowls (Gallinae) agric. 636.531
grapes Vitis vinifera
American agric. 634.849
Hami, China history 951.6
Hamilton, Alexander
Amer. oratory 815.21
city, O hist. 977.1751
Ont " 971.352
co., Fla " 975.984
Ill " 977.395
Ind " 977.256
Ia " 977.752
Kan " 978.1415
Neb " 978.2354
NY " 974.752
O " 977.177
Tenn " 976.882
Hamitic Ethiopian languages 493.5
languages 493
Hamlets city planning 711.43
Hammarskold, Lorenzo
Swedish essays 839.7462
Hammer anatomy of ear 611.857
Hammering
ironwork, ornamental 739.45
metal arts 739.15
Hammers
cattle (Bovidae)
domestic animals 636.2262
control psychometry 152.8323
machine tools 621.97
pneumatic engineering 621.542
Hammersmith, London hist. 942.13
Hammocks manufactures 685.534
Hampden co., Mass hist. 974.426
Hampers manufactures 685.517
Hampshire
county, Eng. history 942.27
Mass " 974.423
WVa " 975.495
down sheep (Bovidae)
domestic animals 636.3232
swine (Suidae) dom. anim. 636.4842
Hampstead, London hist. 942.14
Hampton co., SC history 975.797
Han cities, China " 951.213
dynasty
ancient Chinese hist. 931.06
947–951 " " 951.0178
Hanazono Japanese " 952.02128
Hanchung, China " 951.43
Hancock co., Ga " 975.862
Ill " 977.343
Ind " 977.258
Ia " 977.724
Ky " 976.986
Me " 974.145
Miss. " 976.214
O " 977.119
Tenn " 976.8946
WVa " 975.412
Hand
arches archi. constr'n 721.427
arteries anatomy 611.1344
bones " 611.7178–9
exercises
piano instruction 786.31
holes steam boilers 621.18455
language
educ. of deaf & mute 371.912
muscles anatomy 611.7377
plates archi. constr'n 721.894
works director
Sunday schools 268.338
Handball sports 796.31
Hand-barrows agriculture 631.3731
Handbills direct adver. 659.133
[1] **Handbooks, univ. & col.** 378
in other specific fields
[2] see subject —02
Hand-carts agriculture 631.3734
Handicapped
children, education of 371.9
econ. classification 331.113
labor of economics 331.59
Handicraft
system production 338.64

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Handicrafts fine arts 745
mech. trades 680
Handicraftsmen economics 331.794
Handkerchief customs 391.6
dom. econ. 646.48
Handles
door & window constr'n 721.892
motor vehicle equip. 629.275
Handling materials
industrial management 658.281
Hand-or-stand cameras
photography 771.312
Handrails stair design 729.392
Hands anatomy, regional 611.976
clockwork 681.112
palmistry 133.6
surgery 617.57
Handspikes ordnance 623.4361
Handwoven rugs fancywork 746.72
Handwriting
characterology 137.7
elementary education 372.51
influence on shorthand 653.121
writing methods 652
Handwritten records
office files 651.522
Hangars
airport equipment 629.1364
architecture 725.39
private architecture 728.949
Hangchow, China history 951.2425
Hangers
door & window constr'n 721.891
mechanical engineering 621.822
motor vehicle springs 629.24332
Hanging
criminal law 343.2
gardens landscape art 712.6245
seats manufactures 685.534
Hangings
drapery interior dec. 747.5
fancywork 746.3
textile bldg indus. 698.7
dom. econ. 645.2–.3
wall interior dec. 747.35
Hangk, Fritz, process
photography 772.42
Hankow, China history 951.213
Hannibal, Mo " 977.8351
Hanover
Cape Colony " 968.767
county, Va " 975.546
Germany " 943.53
house of Eng. hist. 942.07–.08
Irish " 941.57–.58
Scotch " 941.07–.08
Hanoverian
horse (Equidae)
domestic animals 636.143
sheep (Bovidae)
domestic animals 636.3335
swine (Suidae)
domestic animals 636.434
Hans von Bühel Ger. poet. 831.34
Hanse arches
architectural construction 721.423
Hanseatic league hist. 943.5
Hansel Range, Ida " 979.641
Hansho Jap. " 952.01315
Hants co., Eng. " 942.27
NS " 971.635
Hanyang, China " 951.213
Haplomitrioideae botany 588.312
Happiness ethics 171.4
Hapsburg, house of
Austrian history 943.6
German " 943.026–.06
Haptera stem morphology 581.49562
Haptic sensations pathol. 616.5
physiol. 612.88
psychol. 152.5
Haptotropism botany 581.18326
Hara-kiri social customs 394.8
Haralson co., Ga history 975.838
Harari language 492.87
literature 892.8
Harbin, Manchuria Eur. w. 940.4335
history 951.88
Harbor
cities city planning 711.453
defenses military eng. 623.1
districts city planning 711.553
Harbors
city planning 711.763
hydraulic engineering 627.2
hydrography 526.99
inland commerce 386.8
oceanic " 387.1
Hard labor criminal law 343.2
red seaweeds
(Cryptonemiales)
botany 589.415
woods forestry 634.97622
Hardanger fancywork 746.44
Hardee co., Fla history 975.957
Hardeman co., Tenn " 976.828
Hardenberg, F L Ger. fict. 833.63
Hardeners, emulsion
photographic chemistry 771.543
Hardening
photographic developing 770.2838
solutions 771.547

Hardin co., Ill history 977.398
Ia " 977.753
Ky " 976.9845
O " 977.144
Tenn " 976.831
Harding, W G, pres.
US history 973.914
Hardness
physics 539.53
tests eng. materials 620.1126
Hardshell Baptists
[1] **sectarian history** **286.4**
Hardware
factories architecture 725.434
manufactures **671**
motor vehicle equip. 629.275
radio antennas 621.38413584
equipment 621.38413388
Hardy co., WVa history 975.493
Hare and hounds
children's games 796.14
Harebell
(Campanulaceae) bot. 583.59
(Liliaceae) " 584.32
Harelip surgery 617.32
Harems sex customs 392.6
Haren
O Z van Dutch drama 839.31244
Willem van " poet. 839.31145
Hares (Rodentia) dom. anim. 636.9
Harford co., Md history 975.274
Haricots (Fabaceae)
garden crops 635.652
Harima history 952.1935
Harington, John Eng. wit 827.32
Harlan co., Ky history 976.9154
Neb " 978.238
Harlem Heights battle
American revolution 973.3324
Harlotry ethics 176.5
Harmars, Josiah, exped.
1790 US history 973.42
Harmful consumption
wealth 339.44
Harmon co., Okla hist. 976.6445
Harmonic
method
radio measurements 621.38417133
property geom., anal. 516.56
Harmonica wind instr. 788.9
Harmonics
geometry 513.56
music 781.1
Harmonics (cont.)
natural physiology **612.8587433**
psychology **152.287433**
radio circuits 621.384126
Harmonists Rappists 286.7
Harmonium music instr. 786.9
Harmony
architectural elevations 729.13
plans 729.23
drawing composition 741.434
landscape art 712.25
music 781.3
of colors optics 535.6
painting 752.4
preestablished psychol. 130.16232
Harness
agricultural transport 631.374
breaking to zootechny 636.08862
care of " 636.0837
factories architecture 725.415
horse (Equidae) dom. anim. **636.14**
making trades 685.1
military equipment 355.83
rooms architecture 728.948
Harnett co., NC history 975.636
Harney co., Ore " 979.595
Lake, Ore descr. 917.9595
Haro Strait, Wash hist. 979.774
Harp music 787.5
Harper co., Kan history 978.1845
Okla " 976.615
Harpers Ferry, WVa
history 975.499
invasion of US hist. 973.68
Harpochytriaceae botany 589.484
Harpsichord music 786.221
Harput history 956.6
Harquebus ordnance 623.441
Harrington, James
English fiction 823.41
Harris, W T philosopher 191.8
Harris co., Ga history 975.8466
process photography 772.18
Harrisburg
Miss., battle, 1864
US Civil war 973.7372
Pennsylvania history 974.818
Harrismith history 968.55
Harrison
Benjamin, pres. US hist. 973.86
W H, at Tippecanoe, 1811
US history 973.51
pres. US history 973.58

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Harrison co., Ind history 977.221
Ia " 977.747
Ky " 976.941
Miss. " **976.213**
Mo " 977.817
O " 977.168
WVa " **975.457**
Harrisonburg, Va " 975.5921
Harrow English school 373.42
Harrowing tillage 631.514
Harrows farming 631.313
Hart co., Ga. history 975.8155
Ky " 976.9715
Harte, F B Amer. fict. 813.45
Hartford convention
1814–15 US hist. 973.521
co., Conn hist. 974.62
grape vitic. 634.847
Hartley, Rhodesia hist. 968.935
Hartmann von Aue
German poetry 831.26
Hart's-tongue
(Polypodiaceae) bot. 587.3127
Hartzembusch, J E
Spanish poetry 861.56
Haruspication psychology 133.333
Harvard table system
domestic economy 642.55
Harvest
period apiculture 638.14164
spider (Phalangida) zool. 595.43
Harvesters
for maize agriculture 631.355
grain " 631.3542
Harvesting
agriculture 631.55
apiculture 638.148
lac industry 638.3248
machinery agriculture 631.35
Harvey co., Kan history 978.185
Harz mountain goat (Bovidae)
domestic animals 636.393
Hasa, El history 953.6
Hashish habit ethics 178.8
hygiene 613.82
Haskell co., Kan history 978.173
Okla " 976.677
Hasp cultivators farming 631.3162
Hasps
door & window constr'n 721.88
Hassayampa state (Ariz)
history 979.1
Hastings
city, Neb history 978.2398
county, Ont. " 971.358
Hasuur history 968.838
Hat cord textile mfg 677.74
factories archi. 725.4174
felts textile mfg 677.63
fibers field crops 633.584
Hatch bill polit. sci. 324.27
Hatches roof constr'n 721.557
shipbuilding 623.85
Hatchet, pruning agric. 631.3425
Hatching line engraving 765.2
wood " 761.25
zootechny 636.08247
Hate ethics 179.8
Hatracks dom. economy 645.61
library equip. 022.921
office " 651.239
Hats costume 391.4
dom. economy 646.5
felt mfg 677.63
manufactures 687.4
Hatteras, Cape, NC, inlet
operations, 1861
US Civil war 973.751
Hattiesburg, Miss. hist. 976.2181
Hauch, J C Dan. poetry 839.81164
Hauff, Wilhelm Ger. fict. 833.67
Haulage mining 622.65–.66
mot. veh. opera. 629.284
Haunch arches
architectural constr'n 721.423
Haunches arch constr'n 721.428
Haunted localities
folklore 398.32
occultism 133.12
Haustoria root morphology 581.4986
Hautbois strawberry (Rosaceae) fruitculture 634.752
Hautboy wood instrument 788.7
Haute-Garonne history 944.86
Loire " 944.81
Marne " 944.332
Saône " 944.45
Savoie " 944.49
Vienne " 944.66
Hautes-Alpes " 944.97
Pyrénées " 944.78
Haut-Katanga " 967.58
Havana " 972.91
Haversian canals histol. 611.01843
Havre history 944.25
Haw (Rosaceae) botany 583.37
Hawaii history 996.9
Hawaiian
annexation
treaty, 1893 US hist. 973.86
1898 US history 973.88
language 499.2

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Hawes, Stephen Eng. poet. 821.25
Hawkbit (Liguliflorae) bot. 583.552
Hawkesworth, John
English essays 824.65
Hawkeye state (Ia) hist. 977.7
Hawking physiology 612.219
sales channels 658.843
see also Falconry
Hawkins, John Amer. hist. 973.17
Hawkins co., Tenn hist. 976.895
Hawk-moth (Sphingina)
entomology 595.788
Hawks (Falconidae)
agricultural pests 632.6891
Hawkweed (Liguliflorae)
botany 583.552
Hawsers ship outfit 623.86
strength of eng. 620.11288
Hawthorn (Rosaceae) bot. 583.37
Hawthorne
Julian Amer. fiction 813.47
Nathaniel " " 813.33
Hay, Africa history 968.784
Hay
and straw barns archi. 728.9532
forage crops 633.2–.3
making agriculture 631.553
zootechny 636.0862
Haybox, Norwegian
kitchen equipment 643.338
Hayes, R B, pres. US hist. 973.83
Hayes co., Neb history 978.283
grape viticulture 634.84709
Hay-fever pathology 616.202
Haying implements agric. 631.353
Hayne, P H Amer. poetry 811.42
Hayne & Webster debate, 1830
US history 973.561
Hayracks agric. transport 631.3735
Hays, Kan history 978.1191
Haywarde, Richard, *pseud.*
American wit 817.36
Haywood co., NC history 975.694
Tenn " 976.822
Haze
and visual perception
physiology 612.84372345
psychology 152.1372345
meteorology 551.57
Hazelnut (Corylaceae)
nuciculture 634.54
Hazing student life 371.82
Hazlitt, William
English essays 824.76

Head
anatomy, regional 611.91
bursae anatomy 611.751
craniology 573.7
human art anatomy 743.491
lice (Pediculidae)
entomology 595.7512
line palmistry 133.6432
muscles anatomy 611.732
muscles, oblique " 611.7318
of dept labor economy 331.124
office " 331.124
phrenology 139
surgery 617.51
tax immigration 325.153
pub. finance 336.251
telephone receivers
radio 621.38413644
Headache
megrimish pathology 616.857
pathology 616.84
Headdress toilet 391.5
Headers, harvesting agric. 631.3543
Headframes mine archi. 725.431
Headgear
indoor dom. economy 646.48
manufactures 687.4
outdoor dom. economy 646.5
Heading in pruning agric. 631.54213
Headlights locomotives 621.139
Headmasters school admin. 371.1472
Headquarters staff
military science 355.33
Headrests phot. furn. 771.21
Heads steam boilers 621.18452
Headstones cemeteries 718.66
ecclesiology 247.3
Healing
divine religion 265.8
mental psychology 131.324
psychic spiritism 133.94
therapeutics 615.851
Healings therapeutics 615.85
see also Cures, Faith cure
Health
board of pub. hygiene 614.061
sanitary eng. 628.061
school hyg. 371.711
care of hygiene 613
crusades school hyg. 371.711
forest effects on agric. 634.9232
ill, and genius psychol. 151.163
insurance, *see* Insurance
against sickness

Health (cont.)
line palmistry 133.6432
mental psychology 131.32
of prisoners sociology 365.664
students school hyg. 371.71
public, *see* Public health
resorts
bldgs for archi. 725.75
city planning 711.455
hygiene 613.12
sensations physiology 612.88
psychology 152.6739
service aircraft 629.13861
statis. demography 312.6
traits personality 137.313
workmen's econ. equip. 331.114
Health-lift therapeutics 615.82
Healths, drinking of
social customs 394.1
temperance 178.3
Healy picture completion
test psychology 151.22223
Heard co., Ga history 975.842
Hearing
anatomy of 611.85
and facial nerve
physiology 612.81974
colored
music 781.1
physiol. of vision 612.84373
psychol. " " 152.1373
figured psychology 152.7713
monaural & binaural
physiology 612.85875
pathology of
medicine 617.8
physiology 612.85877
psychology 152.2877
school hygiene 371.712
physiology 612.85
of brain 612.82555
psychology 152.2
synesthetic psychol. 152.772
tests physiology 612.85878
theories acoustics 534.7
Hearings
legislative procedure 328.3742
private juvenile courts 364.525
Heart
abnormal physiology 612.1717
anatomy 611.12
and sympathetic syst.
physiology 612.897
toxins physiol. 612.174
vagus nerve
physiology 612.819911
Heart (cont.)
as muscle physiology 612.172
chem. compos. of physiol. 612.1731
electromotive force of
physiology 612.1724
in asphyxiation physiol. 612.2323
innervation of " 612.178
latent period of " 612.1723
line palmistry 133.6432
lymphatic physiology 612.424
morphology " 612.1726
pathology 616.11–.12
physiology 612.17
pressure, intracardiac
physiology 612.1732
sounds physiology 612.1715
stimulation
conduction of physiol. 612.17261
physiology 612.1723
surviving physiology 612.1725
work of " 612.173
Heart-beat
frequency physiol. 612.1722
solutions maintaining
physiology 612.1725
Hearth money pub. fin. 336.2786978
Hearths architecture 729.95
Hearthstone, family
domestic heating 644.15
Heart-leaved grape vitic. 634.8445
Heartnut (Juglandaceae)
nuciculture 634.513
Hearts card games 795.42
Heat
action & effects
thermology 536.4
of mesology 612.01443
and chem. properties
thermochemistry 541.36
cold effect on org.
physiol. 612.59
sensation
physiol. 612.882
psychol. 152.5732
growth botany 581.1341522
animal physiology 612.5
balance " 612.53
breeding zootechny 636.082451
circulatory
physiologic zool. 591.11
curative therapeutics 615.832
diaphoretic " 615.743
earth, internal geol. 551.12
effect
on books lib. econ. 025.8
veget. ecology 581.5422

Heat (cont.)
engines mech. eng. 621.4
excessive
agric. hindrances 632.12
geologic agents 551.94
liberation thermochem. 541.36
losses electric
transmission 621.31921
meteorology 551.52
phases thermochem. 541.36
production
muscular physiol. 612.745
physiologic botany 581.12136
zoology 591.12
protection from
zootechny 636.08362
resistant grapes vitic. 634.836764
slow, cooking by
dom. economy 641.588
solar astronomy 523.72
specific thermochem. 541.36
stellar astronomy 523.82
terrestrial " 525.2
thermochemistry 541.36
thermology 536
Heaters
feedwater steam eng. 621.1972
fuel mot. veh. engine 629.2536
mot. veh. equipment 629.277
portable dom. econ. 644.19
Heath
plants veget. ecology 581.52634
sheep (Bovidae)
dom. animals 636.333
shrubs, dwarf (Sclaginaceae) botany 583.876
Heath-aster (Eupatoriaceae)
botany 583.5544
Heathen
apologetics against
doc. theology 239.3
art ecclesiology 246.2
missions to religion 266
philosophy
and Chr. heresies 273.1
vs church theology 261.3
religions 290
salvation of doc. theol. 234
Heather (Empetraceae) bot. 583.984
(Ericaceae) " 583.62
Heaths
Australian (Epacridaceae)
botany 583.64
(Empetraceae) botany 583.984
(Ericales) " 583.6
Heating
aircraft constr'n 629.13434
apparatus dairy indus. 637.1322
building industry 697
central city plan. 711.82
cheesemaking 637.3334
fixtures fine arts 749.62
food preservation
chemic technology 664.8
domestic economy 641.48
indirect prac. chem. 542.46
indus. buildings 658.25
library " 022.8
marbles photography 771.43
museum buildings 069.29
operations prac. chem. 542.4
preservative
dairy industry 637.1332
prisons 365.55
sanitary engineering 628.8
school buildings 371.628
shipbuilding 623.85
steam plants for
mechanical eng. 621.19
surfaces steam boilers 621.1831
systems dom. econ. 644.1
thermology 536.83
YMCA buildings 267.32
Heaven doctrinal theol. 237.4
Heavenly, *see* Celestial
Heaviside layer
radio transmission 621.3841154
Heavy
artillery ordnance 623.416
current engineering 621.31–.37
horses (Equidae)
dom. animals 636.15
Hebbel. Friedrich
German drama 832.77
Hebephrenia medicine 616.89824
psychology 132.19824
Hebraic 5 books Psalms 223.4
Sabbath theol. 263.1
[1] **Hebrew language** 492.4
relig. Judaism 296
text Bible 220.44
see also Jewish
Hebrews, epistle to 227.87
see also Jews
Hebrides history 941.17
sheep (Bovidae)
dom. anim. 636.3258
Hedberg, Franz
Swedish drama 839.7265
Hedeoma (Labiatae) bot. 583.891

Hedge laurel (Pittosporaceae) botany 583.141
Hedgehog fungi (Hydnaceae) botany 589.222
Hedges farm economy 631.27
floriculture . **635.9768**
forest eng. 634.9345
lands. planting 715.165
Hedge-trimmer agric. 631.3421
Hedonic tone theories of emotional sensibility psychology **157.521–.523**
Hedonics psychology 150.19332
Hedonism ethics 171.4
Hedwigiaceae botany 588.21532
Hedysareae (Fabaceae) field crops 633.376
Heel
anatomy, regional 611.986
scrape cultivator farming 631.3164
Heel-bone anatomy 611.71873
Hegel, G W F philosopher 193.5
Hegelund, P J Dan. drama 839.81233
Hegesias philosophy 183.5
Heian period Jap. hist. **952.016**
Heianjo history 952.1912
Heiberg, J L Dan. drama 839.81262
P A " " 839.81258
Heidelberg
Cape Colony history 968.733
catechism doc. theol. 238.42
Germany history 943.46
Transvaal " 968.23
Heidschnucken (Bovidae) domestic animals **636.333**
Height, *see* Hight
Heilbron history 968.54
Heilungkiang, Manchuria history 951.84
Heine, Heinrich Ger. poet. 831.75
Heinrich 1 Ger. history 943.022
2 " " 943.022
3 " " 943.023
4 " " 943.023
5 " " 943.023
6 " " 943.024
7 " " 943.026
Heinrich von Veldeke
Dutch poetry 839.31112
German " 831.23
Heirs family law 347.6
Heizei Jap. history 952.01612
Hejaz history 953.2
Hektograph
writing mediums 652
Heldenbuch, das
German poetry 831.35
Helena, Mont history 978.6
Heleniaceae botany 583.5538
Helgesen, Povl Dan. lit. 839.81822
Helgoland history 943.518
Eur. w. naval base 944.53
Heliand Old Saxon poem 839.2
Helianthaceae botany 583.5547
Helianthus tuberosis (Helianthaceae) field crops 633.494
Helicoid vaults
arched constr'n 721.455
Helicophyllaceae botany 588.21535
Helicopters aviation 629.13335
Heliocentric place astron. **521.2**
Heliochromy photography **778.6**
Heliographic
Niepce de St Victor process photography 772.12
processes phot. **772.2**
Heliographs forest eng. 634.93477
mil. " 623.731
Heliogravure processes photography 777.1
Heliometer astronomy 522.45
Heliopolis
history, ancient 939.42
(Matariyeh) history 962.16
Heliostat astron. instr. 522.58
photography 771.442
Heliotherapy 615.831
Heliotropioideae (Boraginaceae) botany 583.77
Heliotropism botany 581.183242
mesology 612.014447
Heliotypes photography 774.1
Heliozoa zoology 593.13
Helium aircraft constr'n 629.1343222
group chemistry **546.29**
Hell
descent into Christol. 232.967
doctrinal theology 237.5
Hellebore
(Melanthaceae)
depressants 615.716
pharmaceutics 615.324321
(Ranunculaceae)
pharmaceutics 615.323111
toxicology 615.93
Hellenic
architectural styles **722.8**
languages 489
republic, 1924–35 hist. 949.507

Hellenotype process
photographic prints 770.2843
Hellgrammite-fly (Sialidae)
entomology 595.743
Helmers, J F Dutch poet. 839.31152
Helmets fine arts 739.75
war customs 399
Helmholtz
color contrast theory
physiology 612.843350161
psychology 152.13350161
hearing theory physiol. 612.8501661
psychol. 152.201661
space perception theory
psychology 152.75201644
tonal theory music 781.1
physiol. 612.85874412
psychol. 152.2874412
Helmholtz-Young
color theory
physiol. of vision 612.84330163
psychol. " " 152.1330163
Helminthes zoology 595.11
Helminthocladiaceae bot. 589.416
Helminthology zoology 595.1
Helobiae botany 584.72
Helotiaceae " 589.2332
Helotism " 581.55733
Help syst. production 338.63
Helpmakaar history 968.42
Helps, Arthur Eng. essays 824.84
Helps, intellectual, for
laboring classes 331.85
Helsinki European war 940.4375
history 947.1
Helvellineae botany 589.2331
Helvetia history 949.4
Hematin, hematochromogen
& hematoidin physiology 612.11116
Hematology, *see* Blood
Hematopoiesis
hepatic physiology 612.356
physiology 612.119
splenic physiology 612.411
Hematoporphyrin physiol. 612.11116
Hematuria " 612.46669
Hemeralopia ophthalmology 617.75
physiology 612.8456
psychology 152.156
Hemiascales botany 589.236
Hemibasidii " 589.224
Hemin physiology 612.11116
Hemiplegia medicine 616.842
Hemiptera agric. pests 632.75
entomology 595.75
Hemispheres
cerebral anatomy 611.813
physiography 551.41
Hemispheric domes
arched constr'n 721.46
Hemlock
(Pinaceae) forestry 634.9753
poison- (Apiaceae)
depressants 615.786
pharmaceutics 615.323481
Hemming dom. economy 646.21
Hemmingsen, Niels
Danish literature 839.8183
Hemocyanin physiology 612.1118
Hemodoraceae botany 584.231
Hemoglobin
physiology 612.11111
of nutrition 612.3981452
Hemoglobinuria physiol. 612.46669
Hemolytic substances
physiology 612.11145
Hemorrhage
obstetrics 618.54
physiology of blood 612.1162
pulmonary pathology 616.243
Hemorrhoidal
artery, middle anat. 611.13774
superior " 611.13652
plexus anatomy 611.1471
plexuses nerve anat. 611.8393
Hemorrhoids pathology 616.35
Hemostasia
physiology of blood 612.11621
Hemp
agrimony (Eupatoriaceae)
botany 583.5544
(Cannabinaceae)
cordage mfg 677.71
eng. materials 620.197
field crops 633.53
harvesting 631.5565
textile mfg 677.12
harvesters agriculture 631.3585
Indian (Cannabinaceae)
botany 583.9623
textiles dom. economy 646.12
water- (Amaranthaceae)
botany 583.9131
see also qualifying or specific terms
Hempstead co., Ark hist. 976.754
Hen
(Gallinae) agriculture 636.5
pigeons (Columbae)
agriculture 636.59628

Henderson co., Ill hist. 977.341
Ky " 976.987
NC " 975.692
Tenn " 976.826
Hendricks co., Ind " 977.253
Hendry co., Fla " 975.946
Henequen (Amaryllidaceae)
fiber crops 633.5771
Hengshan
city, China history 951.17
Mt, " " 951.215
Hengyang, China history 951.215
Henhouses lands. art 717.65
Hennepin co., Minn hist. 977.657
Henri 1 Fr. history 944.021
2 " " 944.028
3 " " 944.029
4 " " 944.031
Henrico co., Va history 975.545
Henry 1 Eng. history 942.023
2 " " 942.031
Irish " 941.52
3 Eng. " 942.034
4 " " 942.041
5 " " 942.042
6 " " 942.043
7 " " 942.051
8 " " 942.052
see also Heinrich, Henri
Henry
co., Ala history 976.131
Ga " 975.8435
Ill " 977.338
Ind " 977.264
Ia " 977.795
Ky " 976.9385
Mo " 977.846
O " 977.115
Tenn " 976.834
Va " 975.569
Fort, Tenn, capture, 1862
US Civil war 973.7322
naval history 973.752
process photography 772.18
Heparin and blood coagulation physiology 612.11531
Hepatic
artery anatomy 611.13641
chemic phenomena
physiology 612.353
duct anatomy 611.362
extract physiology 612.3516
line palmistry 133.6432
lymph glands anatomy 611.46522
opotherapy physiology 612.35161
Hepatic (cont.)
plexus anatomy 611.8393
regeneration physiol. 612.359
veins anatomy 611.1464
Hepatica (Ranunculaceae)
botany 583.111
Hepaticae botany 588.3
Hepatitis pathology 616.36
Hepatology physiology 612.35
Hepatoscopy psychology 133.333
Heppelwhite furniture
fine arts 749.223
Heppiaceae botany 589.171
Heptarchy Eng. history 942.01
Hera Greek mythology 292
Heraclitus philosophy 182.4
Heraldic designs
arts & crafts 745.66
Heraldry 929.6
see also Peerage, nobility, etc.
Herat history 958.3
Hérault " 944.84
Herb
gardens lands. art 712.626
willow- (Onagraceae)
botany 583.445
Herbaceous
grafting agriculture 631.54137
plants
apic. pollen pasturage 638.1387
floriculture 635.93
landscape art 716
nectariferous apic. 638.1324
Herbal perfume plants
agriculture 633.812
Herbalism therapeutics 615.855
Herbariums architecture 727.658
botany 580.74
Herbartian
formal steps educ. meth. 371.32
space perception theory
psychology 152.75201643
Herbemont grape vitic. 634.8452
Herberay, Nicolas de
French fiction 843.33
Herbert, George Eng. poet. 821.38
Herbert
Africa history 968.781
grape viticulture 634.84709
Herblike fruits agric. 634.77
Herbs
botany 582.12
condimental
garden crops 635.7
field crops 633.8

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Herculaneum Rom. antiq. 913.377
Hercules grape vitic. 634.84709
Greek mythol. 292
Hercules-club
(Araliaceae) botany 583.491
(Cucurbitaceae) " 583.461
(Rutaceae) " 583.23
Herd books zootechny 636.0822
zootechny 636.082
Herder, F G von Ger. poet. 831.64
Herdwick sheep (Bovidae)
domestic animals 636.3253
Hereditary
genius genetic psychol. 136.3111
psychology 151.13
right legis. bodies 328.3352
soc., *see* Patriotic soc.
succession family law 347.6
polit. sci. 321.6–.7
units biology 575.122
Heredity
and crime sociology 364.23
variation botany 581.15126
evolution 575.1
hygiene 613.9
mental genius 151.13
hyg. of progeny 613.92
metaphysics 129
psychology 136.3
physiology 612.6051
spiritual doc. theol. 233.3
metaphys. 129.2
zootechny 636.08211
Hereford
cattle (Bovidae)
dom. animals 636.2226
history 942.44
sheep (Bovidae)
dom. animals 636.3242
Hereroland history 968.85
Heresies church hist. 273
Heretics
persecutions of
church history 272
reconciliation of
penance 265.68
Hering
color contrast theory
physiology 612.843350166
psychology 152.13350166
sensation theory
physiology 612.843301642
psychology 152.13301642
Hérissaye, Noel Du Fail
French fiction 843.34
Herjulfson, Bjarni
American history 973.13
Herkimer co., NY history 974.761
Hermann von Sachsenheim
German poetry 831.33
Hermanni, Nicolaus
Swedish poetry 839.7111
Hermaphroditism
anatomy 611.6
biology 574.167
botany 581.167
in nature biology 577.824
physiology 612.608
somatology 573.9
zoology 591.167
Hermeneutics, legal law 347
Hermes Greek mythology 292
Hermetic art alchemy 540.1
Hermit
cells architecture 726.76
crab (Macrura) zoology 595.3841
Hermitages architecture 726.76
Hermits biography 920.8
relig. biog. 922
Hernandiaceae botany 583.9312
Hernando co., Fla hist. 975.971
Hernia pathology 616.34
Herniotomy surgery 617.55
Hero worship comp. relig. 291.213
Herodiones ornithology 598.34
Herodotus Greek classics 888.1
Heroes
in art 704.947
legendary paintings 753
Heroism ethics 179.6
Heron (Herodiones)
ornithology 598.34
Herpestidae mammalogy 599.74424
Herpestoidea " 599.7442
Herpetology 598.1
Batrachia 597.6
Herposteiraceae botany 589.47425
Herrera, Fernando de
Spanish poetry 861.35
Herrerioideae (Liliaceae)
botany 584.32
Herrick, Robert Eng. poet. 821.43
Herring (Physostami)
ichthyology 597.55
[1] **Herrnhuters Moravian ch. 284.6**
Herschel
Africa history 968.772
amphitype processes phot. 772.24
rays photography 771.5345
physics 539.7

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Hertford history 942.58
Hertz, Henrik Dan. drama 839.81263
Hertzian oscillators radio 621.3841311
Heruli hist., ancient 936.332
Hervás, J G de Sp. wit 867.41
Hervey archipelago hist. 996.2
Herzegovina history 943.96
Hesiodus Gk epic poetry 883.2
Hesse, grand-duchy hist. 943.41
Hesse-Nassau history 943.58
Hessian
fly (Nematocera)
agric. pests 632.771
mercenaries Amer. revol. 973.342
sheep (Bovidae)
dom. animals 636.3332
Hestia Greek mythology 292
Hetaerism sex customs 392.6
Heterocapsales botany 589.4852
Heterocera entomology 595.781
Heterocercs (Euganoidei)
ichthyology 597.47
Heterochloridaceae bot. 589.4854
Heterochloridales " **589.485**
Heterococcales " 589.484
Heterocontae " **589.48**
Heterodyne
action radio reception 621.384136623
receiving sets, electron
tubes in radio 621.3841325
reception syst. radio 621.3841537
Heterogamy botany 581.166253
Heterogenesis
abiogenesis biology 574.161
botany 581.161
zoology 591.161
metagenesis biology 574.163
botany 581.163
zoology 591.163
Heteromera entomology 595.767
Heteromerae botany 583.6– 6864
Heteromorphy " **581.226**
Heteropoda zoology 594.34
Heteroptera " 595.754
Heteropyxidaceae botany 583.442
Heteroscopic divination
psychology 133.33
Heterosiphonales botany 589.482
Heterotaxy " 581.2233
Heterotrichales " 589.483
Heterotrophy physiol. bot. 581.1333
Heuniseh grape vitic. 634.8543
Heuristic method
education 371.35
Sunday schools 268.66
Hexacorolla zoology 593.63
Hexameter Eng. prosody 426.5
[3] other lang. —65
Hexapla Bible 221.48
Hexapoda entomology 595.7
Hexateuch Bible 222.1
Hexenbesen (Protodiscineae)
botany 589.237
Heyse, P J L Ger. fict. 833.85
Heywood, John Eng. drama 822.21
Hezekiah, Testament of
pseudepigrapha 229.913
Hiatus English prosody 426.4
[3] other lang. —64
Hibbert lectures
comparative religion 290.4
Hibernation anim. phenol. 591.54
physiology 612.58
veget. phenol. 581.5436
Hibiscus
cannabinus (Malvaceae)
field crops 633.563
esculentus (Malvaceae)
garden crops 635.648
tiliaceus (Malvaceae)
cordage mfg 677.71
field crops 633.564
Hibou grape viticulture 634.8544
Hickman co., Ky history 976.998
Tenn " 976.8434
Hickok, L P philosophy 191.4
Hickory co., Mo history 977.8496
nut (Juglandaceae)
nuciculture 634.52
Hickory-borer (Tetramera)
entomology 595.768
Hicks grape viticulture 634.847
[1] **Hicksite Friends Quakers 289.6**
Hicoria (Juglandaceae)
nuciculture 634.52
Hida history 952.1615
Hidaka " 952.44
Hidalgo, Mexico " 972.4
Hidalgo grape vitic. 634.84909
Hide production zootech. 636.0884
the handkerchief
children's games 796.14
Hide-and-seek
children's games 796.14
Hides eng. materials 620.198
manufactures 675
Hidetada Jap. history 952.02511
Hideyori " " 952.0243
Hierarchy mil. staff 355.33

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Hieroglyphics, Egyptian 493.111
philology 419.25
Hierro history 964.95
Higashiyama Jap. hist. 952.02523
Higginson, T W
American essays 814.42
High
church sect. history 283
five card games 795.41
frequency, *see* Frequency, high
German, middle philol. 437.02
[4] **old** " 437.01
huckleberry (Vacciniaceae)
fruitculture 634.737
leg sheep, African (Bovidae)
domestic animals 636.386
license temperance 178.4
lights drawing 741.45
plains reg., Neb hist. 978.29
Okla " 976.611
Point, NC history 975.6621
pressure steam engines 621.11253
treason criminal law 343
Higher
educ., *see* Education, higher
red seaweeds (Rhodymeniales) botany 589.413
schools, *see*
Universities and colleges
Highland area, Ark hist. 976.71
co., O " 977.184
Va " 975.589
grape vitic. 634.84909
reg., Ga. hist. 975.82
Rim
Ala history 976.196
east, Tenn hist. 976.86
history 976.841
Ky history 976.96
Highlands co., Fla hist. 975.955
Scot. " 941.1
Highmore's body anatomy 611.6315
Highschool
library courses 020.717
student societies 371.857
[1] **Highschools admission** 371.213
architecture 727.2
folk educ. 374.9
for girls 376.63
2dary educ. 373
public 379.171
training for 370.73263
in specific fields
[2] see subject —0712
see also Education, 2dary
Hight
growth forestry 634.928535
indicators aircraft 629.13514
limitation
and street planning
civic arts 711.725
of bldg city plan. 711.65
measurement surveying 526.94
High-water service
sanitary eng. 628.12
Highway
areas Eng. loc. gov't 352.04207
bridges engineering 624.12
loads bridge eng. 624.173
tax public finance 336.2796257
Highwaymen criminal law 343
Highways
administrative control 351.811
local government 352.7
military resources 355.27
nat'l city planning 711.71
private law 347.2
public health 614.862
road engineering 625.7
sociology 388.1
street planning 711.73
vs railways railroads 385.122
see also Roads, Streets
Higo history 952.225
Hildebrand
pope, *see* Gregory 7, pope
pseud. Dutch essays 839.31454
Hildebrandslied Ger. poet. 831.11
Hill 44 European war 940.4342
60 " " 940.4241
63 " " 940.4342
70 " " 940.4316
141 " " 940.4352
230 " " 940.4352
climbing mot. veh. opera. 629.2823
country, Ala history 976.15
reserves nat. lands. 719.343
sowing agriculture 631.5313
Hillhouse, J A Amer. drama 812.23
Hillotypes photography 778.63
Hills landscape ground 713.5
Hillsboro co., NH hist. 974.28
Hillsborough co., Fla hist. 975.965
Hillsdale co., Mich " 977.429
Hillside
gardens lands. art 712.6245
plow farming 631.3124
Hillsides, reclamation of
agriculture 631.613

Hilltop cities civic arts 711.421
Himalayan
architectural styles 722.42
languages 495.5
shaggy brown goat (Bovidae)
domestic animals 636.39854
Himalayas history 954.2
Himantandraceae botany 583.1144
Himanthaliaceae " 589.452
Himyaritic
inscriptions philol. 492.917
[4] **language 492.9**
Hindbrain anatomy 611.817
Hindenburg, Paul von
presidency 943.085
Hindenburg line Eur. w.
1917, air raids 940.447
March 940.4314
November 940.4317
1918, September 940.4361
October 940.4363
[4] **Hindi language 491.43**
Hindrances agriculture 632
apiculture 638.15
floriculture 635.92
forestry 634.96
lac industry 638.3246
viticulture 634.82
Hinds co., Miss. history 976.251
Hindu
architectural styles 722.415
humped cattle (Bovidae)
domestic animals 636.291
[4] **languages 491.1**
law jurisprudence 349.54
philosophers 181.4
[4] **popular, languages 491.3**
Hinduism comp. religion 294.5
Hindustan history 954
[4] **Hindustani language 491.43**
Hinged
doors archi. constr'n 721.836
windows " " 721.846
Hinge-joint anatomy 611.72964
Hinges
door & window constr'n 721.891
mot. veh. equipment 629.275
radio equipment 621.38413388
Hinny (Equidae) dom. anim. 636.183
Hinsdale co., Colo hist. 978.839
Hinterwald goat (Bovidae)
domestic animals 636.393
Hip
anatomy, regional 611.9811
joint anatomy 611.7282
knobs roof constr'n 721.562
muscles anatomy 611.7381
pathology 616.7
roofs archi. constr'n 721.592
surgery 617.58
Hip-bone anatomy 611.7181
Hipparion mammalogy 599.725
paleontology 569.725
Hippias philosophy 183.1
Hippocampus major anat. 611.81314
Hippocastanaceae botany 583.285
Hippocrateaceae " 583.276
Hippocrates strainer
prac. chemistry 542.67
Hippodromes architecture 725.826
recreation 791.3
Hippoidea mammalogy 599.723
Hippology, *see* Horse
Hipponax Greek wit 887.3
Hippophagy hygiene 613.28
Hippopotamidae mammal. 599.7347
see also Behemoth
Hippuric acid physiol. 612.461266
Hippuridineae botany 583.446
Hirado Island history 952.221
Hire economics 331.2
system production 338.63
Hirohito Jap. history 952.033
Hiroshima history 952.197
Hirudin and blood coagulation physiology 612.11531
Hirudinidae pathology 616.9688
zoology 595.15
Hirundinidae ornithology 598.81
Hisaakira, Prince
Japanese history 952.02126
Hishu (Hida) history 952.1615
Kyushu " 952.22
Hispalis " 946.8
Hispano-Moresque architectural styles 723.322
Histochemistry, urinary
physiology 612.461177
Histogenesis biology 574.17
botany 581.17
zoology 591.17
Histogram
psychologic measurements 151.264
Histologic conservation
physiol. of nutrition 612.398133

Histology
biology 574.8
botany 581.8
medicine 611.018
of muscular contraction
physiology 612.7419
zoology 591.8
Historians
biography 928.088
of art fine arts 706.9
Historic
features reserves
landscape art 719.353
groups fine arts 704.942
interest districts
city zoning 711.52
Historical
days school observance 371.365
[1] **geography** 911
museums 069.0189
paintings fine arts 756
school polit. economy 330.154
sermons homiletics 252.9
writings, Anglo-Saxon 829.9
Historiography 907
History 900
ancient 930
Biblical 220.95
NT 225.95
OT 221.95
constitutional, *see* Constitutional history
current 909.82
material relating to
museum specimens 069.49
military tactics 355.48
modern 940–999
general 909
natural biology 574
religious, *see* Church hist., Non-Christian relig. hist.
sectarian church 280
women in sociology 396.9
universal 909
in other specific fields
[2] see subject —09
Histrionics recreation 792
Hita, Arcipreste de
Spanish wit 867.1
Hitachi history 952.131
Hit-and-miss windows
architectural constr'n 721.846
Hitchcock co., Neb. hist. 978.2845
Hitching posts lands. art 717.67
Hitler, Adolf Ger. hist. 943.086
Hittite archi. styles 722.54
Hittites hist., ancient 939.45
Hive books apiculture 638.11222
cleaning " 638.1431
control " 638.14
life " 638.1215
products " 638.16–.17
nat. hist. 638.1216
Hives
apiculture 638.142
combining of apic. 638.14652
landscape art 717.66
nonswarming apic. 638.14625
pathology 616.51
weak apiculture 638.14652
Hiving of swarm apic. 638.146224
Hiyama history 952.415
Hizen " 952.221
Hlabisa " 968.31
Hlatikulu " 968.36
Hlengaland " 967.98
Hoarding
wealth consumption 339.46
Hoatzin (Gallinae)
ornithology 598.61
Hoaxes
in specific fields
[2] see subject —0885
Hobbies recreation 790
in specific fields see subject
Hobgoblins occultism 133.14
Hobkirks Hill, SC, battle
American revolution 973.3372
Hobo jungles city plan. 711.585
Hoboes charity 362.51
pauperism 339.14
Hoboken, NJ history 974.928
Hochilaga co., Que hist. 971.428
Hockey, ice sports 796.96
rinks architecture 725.862
sports 796.355
Hocking co., O history 977.183
Hodgeman co., Kan " 978.147
Hoe, garden farming 631.3151
grubbing farm tools 631.3116
horse- farming 631.3162
weed- " 631.3154
Hoijer, B C Swed. essays 839.7461
Hoeing tillage 631.516
Holderlin, J C Ger. poet. 831.67
Hopken, A J von Swed. lit. 839.7845
Hoffmann, E T W Ger. fict. 833.64
Hofman process phot. 778.66

Hofmann von Hofmannswaldau, Christian
Ger. poetry 831.55
Hog
and Hominy state
(Tenn) history 976.8
engine locomotive eng. 621.13262
pens architecture 728.944
sties and pollution
public health 614.762
(Suidae)
diseases of vet. med. 619.4
domestic animals 636.4
Hogback Mt, Neb history 978.2975
Hog-plum
(Anacardiaceae) botany 583.292
(Drupaceae) " 583.37
(Olacaceae) " 583.26
Hogweed
(Ambrosiaceae) " 583.5546
(Asteraceae) " 583.5543
(Eupatoriaceae) " 583.5544
(Liguliflorae) " 583.552
(Nyctaginaceae) " 583.9153
(Polygonaceae) " 583.917
(Umbelliferae) " 583.481
Hoh Indian reservation
Wash history 979.798
Hohenstaufen, house of
German history 943.024–.025
Hohenzollern
house of Ger. hist. 943.08
Prussia history 943.49
Hoisting
engines mining 622.67
steam eng. 621.154
of water mining 622.55
Hoists
hydraulic mech. eng. 621.263
industrial equipment 658 281
mech. engineering 621.862
Hoists
projectile ordnance 623.4364
Hojo regents Jap. hist. 952.0212
Hoke co., NC history 975.6365
Hoki " 952.1955
Hokkaido " **952.4**
Hoko islands " 952.978
Hokurokudo " **952.15**
Hokushu " **952.4**
Holberg, Ludvig
Dan. drama 839.81241
Holborn, London history 942.12
Holcus
sorghum (Andropogoneae)
cereal crops 633.174
sugar " 633.62
Holderness cattle (Bovidae)
domestic animals 636.2831
Holders for adver. bus. 659.137
Holding
companies bus. meth. 658.162
production 338.86
devices office fittings 651.4656
Holiday
entertainments recrea. 793.22
opening lib. economy 024.43
passenger rates
railways 385.132244
work library staff 023.633
office economy 651.4233
Holidays
child labor 331.33
hygiene 613.77
library staff time 023.65
office personnel 651.425
school calendar 371.23
social customs 394.26
French 394.26944
Mexican 394.26972
Swiss 394.269494
etc.
women's employment 331.41
workmen 331.817
see also Feasts, religious
Holiness doc. theology 234.8
Holland, J G Amer. essays 814.34
Holland history 949.2
Holland
cattle, north (Bovidae)
domestic animals 636.2351
swine (Suidae) dom. anim. 636.434
turkey, white (Gallinae)
agriculture 636.5926
see also Dutch, Netherlands
Hollerith mach. office equip. 651.2646
Holley syst. waterworks 628.12
Hollow
pile foundations archi. 721.153
walls archi. constr'n 721.294
Holly (Ilicineae) botany 583.2781
Holly-rose (Turneraceae)
botany 583.455
Holmes, O W Amer. wit 817.32
co., Fla history 975.9965
Miss. " 976.2625
O " 977.164

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Holmstrom, Israel
  Swedish poetry 839.7134
Holocene period geology 551.791
Holocephali ichthyology 597.38
Holomastigaceae botany 589.9748
Holoplastideae " 589.85
Holothuroidea zoology 593.96
Holstein history 943.51
Holstein
  cattle (Bovidae)
    dom. animals 636.2341
  Friesian cattle (Bovidae)
    domestic animals 636.2342
  horse (Equidae)
    dom. animals 636.143
Holston Mts, Tenn. descr. 917.6895
  River, " hist. 976.89
Holt co., Mo history 977.8115
  Neb " 978.2745
Holtz mach. electrostatics 537.23
Holy
  alliance church hist. 270.8
    Eur. " 940.28
  communion service, *see* Eucharist, Liturgy
  Cross, Mt of the, & nat'l forest, Colo descr. 917.8844
  family Christology 232.93
    in art 704.9485
  Ghost
    gifts of soteriol. 234.15
    God the doc. theol. 231.3
    in art 704.9485
    knights of heraldry 929.716
  grail legend folklore 398.22
  land, *see* Palestine
  league French hist. 944.029
  office, *see* Inquisition
  orders eccles. polity 262.16
    sacraments 265.4
[1] **orthodox church 281.9**
  places, rivers, etc.
    comp. religion 291.35
  Roman empire
    history 943
    vs papacy ch. hist. 270.3
  rood ecclesiology 247.9
  See eccles. polity 262.3
    papacy 262.131
    sectarian hist. 282
  water basins archi. 729.913
    ecclesiology 246.6
Homage feudalism 321.3
Homalodotheria mammal. 599.64
  paleozool. 569.64
Home, Henry Eng. essays 824.62
  John " drama 822.64
Home
  aid welfare work 361.2
  and juvenile courts
    criminology 364.528
    woman sociology 396.6
  arts & crafts in f. arts 745.3
  customs & manners 392
  domestic economy 643
  economics 640
  education of women 376.3
    self culture 374
    vs school 373.11
  hospitalization sociol. 362.14
  influence
    crime prevention 364.44
  life ethics 173.7
  meals dom. economy 642.1
  original, of man
    anthropology 572.4
  playgrounds lands. art 712.546
  projectors cinephot. 778.5549
  relations
    customs & manners 392.3
  room activities
    educ. methods 371.3322
    student life 371.892
    school bldgs 371.621
  rule party
    English politics 329.942
    Irish history 941.58
  savings banks fin. econ. 332.23
  study, societies for
    self-education 374.43
  system production 338.65
  work educ. methods 371.32
  workers economics 331.794
Homeless children
  psychology 136.767
  sociology 362.74
Homeopathy therapeutics 615.53
Homeothermic animals
  inanition in physiology 612.39196
Homeric archi. styles 722.61
Homerus Gk epic poetry 883.1
Homes
  architecture 728
  broken, and crime sociol. 364.253
  country architecture 728.6
  drug addicts' archi. 725.66

Homes (cont.)
for aged architecture 725.56
economics 331.256
sociology 362.61
poor charity 362.51
pauperism 339.16
hygiene of dwellings 613.51
of poor architecture 728.11–.12
rural " 728.68
sailors' " 725.59
small " **728.6**
soldiers' " 725.59
summer " **728.7**
Washingtonian " 725.65
Homesteading land econ. 333.71
private law 347.2
public fin. 336.13
Homicidal manias psychol. 132.65
Homicide criminal law 343
Homiletics theology 251–252
Homilies
Anglo-Saxon literature 829.5
pastoral theology 252
Homing pigeons (Columbae)
agriculture 636.59635
Homme volant, *pseud.*
French fiction 843.57
Homogeneous roofs archi. 721.597
Homologies biology 574.4
botany 581.4
zoology 591.4
Homonyms English lang. 424
[3] other " —4
Homopolar
alternators radio 621.3841314
machines elec. eng. 621.313291
Homoptera agric. pests 632.752
entomology 595.752
Homosexuality psychology 132.7546
Homotopy botany 581.2232
Homotypy " 581.1512432
Honan, China history 951.18
Hondo " 952.1
Hondt system suffrage 324.224
Honduran wild turkey
(Gallinae) agriculture 636.59213
Honduras, Brit. history 972.82
history 972.83
canal commerce 386.446
Honesty ethics 174.7
Honey
alterations apic. 638.166
analysis " 638.1627
aphid apic. pasturage 638.1392
Honey (cont.)
apic. food 638.12153
natural hist. 638.1216
products 638.16
artificial apiculture 638.167
as food " 638.1694
bee (Apidae) " 638.123
composition " 638.162
dew apic. pasturage 638.1391
diseases apiculture 638.1663
grading " 638.1623
harvesting " 638.148
houses " 638.1632
impurities, nat. apic. 638.1664
in manufactures " 638.1697
medicine " 638.1691
ingredients " 638.1622
nat. poisoned " 638.16228
of Florida apiculture 638.1659759
Scythia " 638.16593951
Tuscany " 638.1659455
etc.
painting medium 751.242
plant (Melianthaceae) bot. 583.2871
preparation apiculture 638.163
preservation of " 638.1635
process photography 772.14
secretion botany 581.1443
separation of apic. 638.1634
testing " 638.1625
tree (Rhamnaceae) fruitc. 634.661
varieties apiculture 638.165
Honey-flower (Proteales)
botany 583.932
Honey-guide (Picidae)
ornithology 598.72
Honey-lotus (Fabaceae)
field crops 633.366
Honeymoon customs 392.5
Honeysuckle (Caprifoliaceae)
botany 583.511
see also Viburnum opulus
Hongkong, China history 951.25
Honigler grape vitic. 634.85439
Honolulu history 996.9
Honor
ethics 174.7
military 355.13
rolls of
Eur. w. memorials 940.467
Sunday schools 268.53
students' education 371.81
system school gov't 371.59
student ethics 371.81
univ. & col. 378.077

Honorary
degrees, titles & insignia, in specific fields see subj. —079
univ. & col. 378.25
soc. student life 371.852
titles heraldry 929.7
Honors mil. science 355.134
school rewards 371.53
Honshu history 952.1
Hood, Thomas Eng. wit 827.72
Hood
Canal, Wash history 979.776
Mt, Ore description 917.9561
nat'l forest description 917.9541
River co., Ore hist. 979.561
Hoods
acad. univ. & col. 378.29
chimney architecture 729.95
domestic economy 646.55
door & window constr'n 721.865
mot. veh. body 629.2635
Hoofed animals (Ungulata) mammalogy 599.71
Hooft, P C Dutch drama 839.31232
Hoogvliet, A J " poet. 839.31143
Hook, bill- agriculture 631.3424
bone anatomy 611.71778
reaping agric. 631.3511
Hookas manufactures 679
Hooked rugs fancywork 746.74
Hooker co., Neb history 978.2777
Hookeriales botany 588.2152
Hookers Mennonites 289.7
Hooks
clothing accessories 687.8
door & window constr'n 721.88
pruning agriculture 631.3422
strength of engineering 620.11286
weed- farming 631.3155
Hookworms (Gordiacea)
pathology 616.965
Hoop games 796.21
Hooped and jacketed guns
ordnance 623.42161–63
Hooping ordnance 623.4233
Hoops, strength of eng. 620.11286
Hoopstad history 968.53
Hoosier state (Ind) hist. 977.2
Hoover, H C presidency
US history 973.916
Hop dryers architecture 728.95389
tree (Rutaceae) bot. 583.23
Hope Town history 968.748
Hopei, China history 951.15
Hopewell, Va " 975.5586
Hopkins co., Ky " 976.982
grape vitic. 634.848109
Hopkinsianism
Calvinist church 284.2
Hopkinson, Francis
American wit 817.14
Hopkinsville, Ky history 976.9781
Hoplestigmataceae botany 583.6812
Hops (Moraceae)
brewing technology 663.3
field crops 633.89
Hopscotch games 796.21
Hoquiam, Wash history 979.7952
Horace, *see*
Horatius Flaccus, Quintus
Horary questions
astrology, applied 133.563
Horatius Flaccus, Quintus
Latin lyric poetry 874.5
wit 877.3
Hordeae botany 584.937
grass crops 633.289
Horehound (Labiatae) bot. 583.891
Horikawa Jap. history 952.01633
Horizon, artificial
astronomic instrument 522.57
Horizontal
arches archi. constr'n 721.421
bars athletics 796.44
vaults arched constr'n 721.451
tunnel archi. 721.455
Horizontality maintenance
aircraft 629.13516
Hormogonales botany 589.83
Hormogons veget. genera. 581.1656
Hormones biol. chemistry 574.194
bot. " 581.194
Horn carving sculpture 736.63
surfaces painting 751.225
work arts & crafts 745.55
Hornbeam (Betulaceae)
botany 583.978
Hornbill (Insessores)
ornithology 598.8
Horneck, Ottokar von
German poetry 831.31

Horned cattle (Bovidae)
domestic animals 636.2
Hornet and Peacock, ships
War of 1812 973.5253
Penguin, ships
War of 1812 973.5257
Hornless goat, Sp. (Bovidae)
domestic animals 636.396
Horn-nut (Trapaceae) bot. 583.413
Horns
anatomy 611.788
brass instruments 788.4
comparative anatomy 591.47
drinking soc. customs 394.1
mot. veh. equipment 629.2734
Horns signals 654.9
Horntail (Phytophaga)
entomology 595.793
Hornworts
(Anthocerotaceae) bot. 588.32
(Ceratophyllaceae) " 583.1182
Horny layer anatomy 611.771
Horology
artistic fine arts 739.3
astronomic chronology 529.7
mechanic trades 681.11
Horoscopy astrology 133.54
Horry co., SC history 975.787
Horse
artillery
mounts & carriages
ordnance 623.431
ordnance 623.41
blankets textile mfg 677.62
breeding dom. anim. 636.1
Cave, Ky. description 917.69715
chestnut (Hippocastanaceae) botany 583.285
cultivators farming 631.3162
Heaven Hills, Wash hist. 979.751
hoe farming 631.3162
racing ice sport 796.97
sports 798.4
shows recreation 791.3
trade dom. animals 636.108113
training " " 636.1088
sports 798
Horseback riding sports 798.23
Horsehair textile mfg 677.38
Horseman pigeons
(Columbae) agriculture 636.59631
Horsemanship sports 798.2
Horsepower locomotives 621.1311
mech. eng. 621.81
physics 531.41
Horsepox pathology 616.955
Horseradish (Brassicaceae)
field crops 633.846
Horses (Equidae)
diseases of vet. med. 619.1
domestic animals 636.1
hunting with business 639.1
sports 799.25
zootechny 636.081113
Horseshoe
arches archi. constr'n 721.414
pointed archi. 721.422
crab (Xiphosura) zool. 595.392
pitching recreation 796.24
Horseshoeing dom. anim. 636.10834
sheds archi. 728.948
trades 682.1
vet. med. 619.1
Horse-shovel farm tools 631.3115
Horsestables architecture 728.941
Horse-sugar (Symplocaceae)
botany 583.6863
Horsetails (Equisetacea)
botany 587.211
Horseweed (Asteraceae)
botany 583.5543
Horticulture agriculture 630
lands. art 715–716
Hosea Bible 224.6
Hosford grape vitic. 634.847
Hoshu history 952.25
Hosiery costumes 391.4
dom. economy 646.42
manufactures 687.3
mills archi. 725.4173
yarn textile mfg 677.02861
see also special fibers
Hospice of St Bernard
public health 614.87
Hospices, mountain archi. 725.59
Hospital
buildings prisons 365.54
cookery dom. economy 641.563
districts city plan. 711.555
gangrene pathology 616.941
grounds landscape art 712.74
libraries 027.662
service prisons 365.664
ships shipbuilding 623.826
[1] **training schools med.** 610.73071
Hospitalers of St John of
Jerusalem heraldry 929.711
Hospitality ethics 177.1
Hospitalization, group
sociology 362.1

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Hospitals
architecture 725.5
city planning 711.665
hygiene of dwellings 613.56
indus. architecture 658.237
hygiene 331.822
military estab. 355.72
welfare instit. 362
see also Asylums
Host Eucharist 265.3
Hostilities, *see* War
Hostels architecture 728.54
Hot
air aircraft constr'n 629.1343222
baths hygiene 613.46
engines mech. eng. 621.41
heating bldg indus. 697.3
treatment therap. 615.832
blooded horses (Equidae)
domestic animals 636.12
pressing phot. prints 770.2846
spots tactile physiol. 612.882
psychol. 152.5732
Spring co., Ark hist. 976.742
spring resorts
city planning 711.455
springs, bldgs for archi. 725.75
Springs, city & national
park, Ark history 976.7411
tables kitchen equip. 643.337
water
heating bldg indus. 697.4
supply dom. econ. 644.6
Hotbeds agric. equipment 631.3443
protection 631.5443
floriculture 635.983
landscape art 717.66
Hotchkiss
revolving cannon ordn. 623.42242
semiautomatic gun " 623.4225
Hot-cockles games 793.4
Hotel
and restaurant districts
city zoning 711.557
cookery 641.572
grounds lands. art 712.72
libraries 027.68
de ville architecture 725.137
Hotels
and forest policy agric. 634.925177
architecture 728.5
city planning 711.667
domestic economy 647.94
forest uses 634.997
Hotels (cont.)
hygiene of dwellings 613.52
residential archi. 728.23
table systems 642.5
Hothouses agric. 631.5445
equip. 631.3445
architecture 728.98
floriculture 635.982
lands. art 716.3
Hotien, China history 951.6
Hottentots description 916.87
" **language of** 496.1
Houdan fowls (Gallinae)
agriculture 636.542
Houdar de la Motte
French drama 842.51
Houghton co., Mich hist. 977.499
Hounds (Canidae)
hunting sport 799.25
see also Dogs
Hour syst. office econ. 651.424
Hourglasses horology 681.1192
astronomic 529.78
Hours
books of pub. worship 264.1
library staff service 023.61
of labor
children's econ. 331.33
domestic economy 647.6
women's economics 331.41
service teachers 371.166
on duty office admin. 651.42
school credit units 371.26
day 371.24
House
cleaning dom. econ. 648.5
hygiene 613.599
connections
sewerage engineering 628.252
customs folklore 398.34
drainage sanitary eng. 628.6
furnishing dom. econ. 645
hygiene 613.59
industry production 338.65
location dom. econ. 643.1
lots landscape art 712.642
numbers archi. constr'n 721.894
of representatives
US legislature 328.73
organs direct adver. 659.133
trade promotion 658.826
painting bldg indus. 698.1
plans domestic econ. 643.2
plants floriculture 635.9652
landscape art 715.1752

House (cont.)
repairs dom. econ. 643.7
sanitation " " **648.5**
spirits occultism 133.12
system 2dary educ. 373.223
taxes public finance 336.224
terraces lands. art 717.72
wiring elec. lighting 621.3282
Houseboats architecture 728.77
sports 797.14
Household
goods warehouses archi. 725.35
organiza. dom. econ. **647**
suffrage polit. sci. 324.13
see also Domestic
Housekeeper dom. econ. 647.21
Housekeeping
collective " " **647.9**
cooperative economics 334.4
domestic economy **640**
Houseleek (Crassulaceae)
botany 583.39
Houses
architecture **728**
between party walls
architecture **728.31–.33**
building industry **690**
domestic economy **643**
farm economics 631.21
forcing agriculture 631.5445
protection 631.3445
architecture 728.98
haunted folklore 398.32
hygiene **613.5**
landscape art 717.63
lower legis. bodies 328.32
noble & royal heraldry **929.7**
occult astrology 133.534
of correction criminol. 364.724
refuge architecture 725.64
criminology 364.722
on wheels architecture 728.76
sewer ventilation of
sanitary engineering 628.233–.235
small architecture **728.6**
student school life 371.86.–87
unheated agric. prot'n 631.5446
upper legis. bodies 328.31
see also Buildings
Housing
and crime sociology 364.253
city planning 711.13
influences diff. psychol. 136.265
laboring classes 331.833
of animals zootechny 636.0831–2
Houston co., Ala hist. 976.1295
Ga " 975.8515
Minn " 977.611
Tenn " 976.836
Houston's valves anat. 611.351
Hoveling chimney archi. 729.358
Hovenia dulcis (Rhamnaceae)
fruitculture 634.661
Hovering mach. aviation 629.133346
Howard, Henry, earl
of Surrey Eng. poet. 821.28
Howard co., Ark history 976.748
Ind " 977.285
Ia " 977.731
Md " 975.281
Mo " 977.8285
Neb " 978.243
Howell co., Mo " 977.885
Howells, W D Amer. fict. 813.43
Howe's campaign
American revolution **973.3336**
Howick history 968.45
Howitzer mounts ordnance 623.4322
Howitzers " 623.4213
Howship's lacunae histol. 611.01841
Hsia dynasty Chinese hist. 931.02
Hsien-fêng " " 951.037
Hsinking, Manchuria " 951.88
Hsuan-tung Chinese " 951.0399
Huaining, China " 951.2252
Hubbard
county, Minn history 977.685
squash (Cucurbitaceae)
garden crops 635.622
Hubbardton, Vt, battle
American revolution 973.3332
Hubs motor vehicle
driving axles 629.2455
wheels 629.2484
Huchow, China history 951.242
Huckleberries (Vacciniaceae)
fruitculture **634.73**
Huckleberry Mts, Wash hist. 979.723
Huckster licenses
local government 352.8
Hudson, Henry
voyage of US hist. 973.21
Hudson
Bay territory hist. **971.2**
county, NJ " **974.926**
River, NY
campaign Amer. revol. **973.3321**
history **974.73**
Hübl processes phot. 772.32
Huerfano co., Colo hist. 978.851

Huerta, V A Garcia de la
Spanish poetry 861.43
Huet, C B Dutch essays 839.31455
Hugh Capet French hist. 944.021
Hughes co., Okla history 976.672
system telegraphy 621.38253
Hugo, V M French drama 842.78
fiction 843.78
poetry 841.78
Huguenots
religious persecutions 272.4
[1] **sectarian history** **284.5**
Huilla history 967.37
Huitfeldt, Arild Dan. lit. 839.8183
Hukoang, China history **951.21**
Hull, Que " 971.4222
aircraft constr'n 629.13431
shipbuilding **623.84**
Hulsean lectures
apologetics 239.03
Human
anatomy medicine **611**
body art anatomy **743.4**
temperature **612.56**
figure fine arts 704.942
geom. perspective 515.67
painting **757**
forms, carved archi. 729.523
painted " 729.423
geography **910**
locomotion physiol. **612.766**
nature diff. psychol. **136**
doc. theol. **233**
physiology medicine **612**
race ethnology **572–573**
rights polit. sci. 323
sacrifice comp. relig. 291
Humane societies ethics **179.206**
Humanism classic, lit. 880.7
philosophy 144
Humanitarianism
doctrinal theology 230.8
[1] **sectarian history** **288**
Humanity
divine Christology 232.8
ethics 177.7
Humansdorp history 968.751
Humbert Italian " 945.09
Humboldt co., Calif. " 979.412
Ia " 977.727
Humbuggery quackery **133.7**
in specific fields
[2] see subject —0885
Hume, David Eng. essays 823.64
philosopher 192.4
Humeral artery anatomy 611.1342
Humero-
radial joint anatomy 611.72733
spinal muscles " **611.7311**
ulnar joint " 611.72731
Humerus " 611.7174
Humidifying
textile process 677.02822
see also specific fibers
Humidity
forest ecology 634.94725
regulation library bldgs 022.89
museum " 069.29
see also Moisture
Humility ethics 179.9
Humiriaceae botany 583.213
Humming voice culture 784.94
Hummingbirds (Trochilidae)
ornithology 598.89
Humor
and curiosa
in fields not
[2] specified see subj. —0883
satire
collections 808.87
literature, Amer. **817**
Eng. **827**
[3] other —7
history 809.7
religious theol. 244
rhetoric 808.7
aqueous anatomy 611.8449
physiology 612.8444
psychology 152.144
college education 378.0883
department journalism 070.4498
dramatic music 782.6
vitreous anatomy 611.8447
physiology 612.8447
psychology 152.147
Humoral diseases pathol. **616.4**
Humorists biography 928.087
Humorous
illus. adver. copy 659.1323
periodicals journalism 070.487
poetry lit., Amer. 811.07
Eng. 821.07
[3] other —107
rhetoric 808.17
Humpback mosses
(Buxbaumiaceae) bot. 588.2122
Humphreys co., Miss. hist. 976.248
Tenn " 976.837
Humulus (Moraceae)
field crops 633.89
Humus accumulation
vegetable ecology 581.52235

Hunan, China history 951.215
Hunding line Eur. war 940.4366
Hundred days, 1815
French history 944.05
Hungarian
fowls (Gallinae) agric. 636.538
goat (Bovidae) dom. anim. 636.393
[4] **language** 494.511
sheep (Bovidae)
dom. anim. 636.373
swine
curly-bristle (Suidae)
domestic animals 636.472
short ear (Suidae)
domestic animals 636.432
Hungary history 943.91
Hunger
physiology 612.391
sensations physiology 612.88
psychology 152.6739391
strikes prison admin. 365.643
Hungtseh, China history 951.225
Huns " 950
Hunt, Leigh Eng. essays 824.77
process, color phot. 778.63
gold " 772.34
the slipper games 793.4
Hunterdon co., NJ hist. 974.971
Hunting
and forest policy agric. 634.925176
business " 639.1
devices biol. collecting 579.612
dogs (Canidae) dom. anim. 636.75
forest uses 634.9962
horn brass instr. 788.41
horses (Equidae)
dom. anim. 636.13
in Africa sports 799.296
Dacia " 799.293982
Peru " 799.2985
etc.
music 785.15
preserves lands. art 712.644
seats architecture 728.75
sports 799.2
subjects paintings 758.3
suits domestic econ. 646.47
training for zootech. 636.088662
with camera sports 799.28
Huntingdon co., Eng. hist. 942.56
Pa " 974.873
Que " 971.431
Huntington, city, WVa " 975.4421
co., Ind " 977.271
Hupei, China " 951.212
Hurdle racing athletics 796.42
Hurdy-gurdy
mechanical music 789.9
stringed " 787.9
Huron co., Mich hist. 977.444
O " 977.125
Ont " 971.322
Lake, Canada " 971.31
Huronian strata geology 551.71
Hurricanes meteorology 551.55
Hurst hearing theory
physiology 612.8501664
psychology 152.201664
Hurtado de Mendoza, Diego
Spanish poetry 861.36
Husband and wife
family law 347.6
Husbandry agriculture 630
Husband's duties ethics 173.3
Husk tomato (Solanaceae)
garden crops 635.647
Huskers agricultural tools 631.3613
Husking for market
agricultural crops 631.5613
Husmann grape viticulture 634.845509
Husnik leimtypes phot. 777.3
Hussars cavalry 357.16
[1] **Hussites sectarian hist.** 284.3
[4] **Husvarish language** 491.531
Hutches architecture 728.946
Hutchinson, Kan history 978.1831
Huts, knockdown mfg 685.531
Huttegem fowls (Gallinae)
agriculture 636.548
Huydecoper, Balthazar
Dutch drama 839.31243
Huygens, Constantijn
Dutch poetry 839.31134
[4] **Huzvarish language** 491.531
Hwai River valley, China
history 951.13
Hwangho, China hist. 951.11
delta, " " 951.14
Hwangshan, " " 951.225
Hwashan, " " 951.43
Hyacinth (Liliaceae) bot. 584.32
Hyaenidae mammalogy 599.74427
Hyärne, Urban Swed. lit. 839.7832
Hyalin cartilage histol. 611.0183
Hyaloid canal & membrane
anatomy 611.8447
Hyalophotography 777.1
Hyaloriaceae botany 589.2232
Hyalotypes photography 778.25
Hyalovolvocaceae botany 589.47534

Hybrid shorthand material 653.125
systems 653.75-.76
Hybridization
agriculture 631.523
animal variation 591.158
physiology 612.6053
vegetable variation 581.1582
viticulture 634.83509
zootechny 636.082431
Hydatids
(Cestoda) pathology 616.964
of Morgagni
female anatomy 611.669
male " 611.633
Hyde co., NC history 975.6182
Hyderabad " 954.9
Hydnaceae botany 589.222
Hydnoraceae " 583.9222
Hydragogs cathartics 615.7324
Hydrales botany 584.11
Hydrangeoideae " 583.381
Hydrants, street city plan. 711.727
Hydrate theory
of solutions chemistry 541.3411
Hydrations
mesology 612.0144612
metabolic physiol. chem. 612.01536
Hydraulic
brakes gun mounts 623.43563
engineering 627
forestry 634.936
engines **mech. eng. 621.25**
physics 532.82
giant mech. eng. 621.269
machinery " " 621.26
mining 622.32
motors engineering 621.2
pile foundations archi. 721.154
power engineering 627
press physics 532.81
pressing printing 655.33
ram mech. eng. 621.27
physics 532.83
Hydraulics physics 532
Hydrazo-bodies chemistry 547.8
Hydric formations botany 581.5263
Hydrocarbons
economic geology 553.2
mineralogy 549.8
organic chemistry 547.2
practical " 542.6
Hydrocaryaceae botany 583.413
Hydrocele pathology 616.68
Hydrocephalism psychology 132.2433
Hydrocephalus
pathology 616.82
physiology, pathologic 612.82455
Hydrocharitaceae botany 584.11
Hydroclathraceae " 589.457
Hydrochloric acid formation
in stomach physiology 612.3233
Hydrocotyloideae
(Apiaceae) botany 583.481
Hydrodictyaceae " 589.47523
Hydrodynamics mech. eng. 621.2
physics 532.5
Hydroelectric power plants
electric engineering 621.312134
Hydrogastraceae botany 589.482
Hydrogen
aircraft construction 629.1343222
carburetted, and
pollution pub. health 614.722
group chemistry 546.11
Hydrogeology 551.92
Hydrography surveying 526.99
Hydroidae zoology 593.71
Hydrokinetics physics 532.5
Hydrolatry comp. relig. 291.2122
Hydrology physiography 551.46
Hydrolytic ferments
botanic chemistry 581.19342
of carbohydrates
metabolism, physiol. 612.3963
physiologic chemistry 612.01512
Hydromechanics physics 532
Hydromedusae zoology 593.71
Hydrometry
hydraulics 532.4
of flowing water
hydraulics 532.57
practical chemistry 542.33
Hydromyxales
(Myxomycetes) botany 589.29
Hydropathy 615.853
Hydrophily
vegetable fertilization 581.1662563
Hydrophobia
inoculation pub. health 614.477
pathology 616.953
public health 614.563
Hydrophyllaceae botany 583.764
Hydrophytes veget. ecol. 581.5263
Hydroplanes aviation 629.133347
Hydroponics agric. meth. 631.58
Hydropteridineae botany 587.311
Hydros, bldgs for archi. 725.75
Hydrostachyaceae botany 583.9211

Hydrostatic
pressure physics 532.1
tables, problems, etc.
physics 532.9
Hydrostatics physics 532
Hydrotherapy 615.853
Hydrotimetry chem. anal. 543.3
Hydrotropism botany 581.183233
Hydrotypes photography 773.3
Hydrous
silicates mineralogy 549.65
sulfates " 549.76
Hydrovanes
aircraft construction 629.1343842
Hydrozoa zoology 593.7
Hydruraceae botany 589.974552
Hyena (Hyaenidae)
mammal. 599.74427
Hyeniaceae (Protocalamaricaceae) botany 587.2122
Hygiene 613–614
animal veterinary med. 619
zootechny 636.0893
industrial economics 331.822
library 022.8
mental education 371.71
psychology 131.3
military medicine 613.67
naval " 613.68
occupational " 613.6
of air & ground
public health 614.7
animals pub. health 614.9
bees apiculture 638.15
pregnancy obstetrics 618.24
personal 613
and crime sociology 364.242
library staff 023.54
prison sociology 365.57
prisoners' " 365.664
public 614
school education 371.7
vocal music 784.93
oratory 808.5
Hygienic traits
personality 137.313
Hyginus, C J Lat. poet. 871.3
Hygrometry meteorology 551.57
Hygroscopic
moisture agric. soil 631.432
movements botany 581.1826
Hyleg occult astrology 133.54
Hylocomiaceae botany 588.21511
Hylozoism philosophy 146
Hymen anatomy 611.672
Hymenogastrineae botany 589.2216
Hymenolichens " 589.111
Hymenomonadales " 589.974554
Hymenomycetineae " 589.222
Hymenophyllaceae " 587.3129
Hymenoptera
agricultural pests 632.79
entomology 595.79
paleo-entomology 565.79
Hymnody sacred music 783.9
Hymnology religion 245
Hymns
Homeric Gk epic poet. 883.1
Latin hymnology 245.7
national
see Songs, national
ritual, Catholic 264.028
Greek 264.0198
Prot. Epis. 264.038
etc.
Hyndman Peak, Ida descr. 917.9632
Hyogo history 952.193
Hyoid bone anatomy 611.7165
muscles " 611.734
Hypecooideae
(Papaveraceae) botany 583.1221
Hyperbola
geometry 513.24
Cartesian 516.24
Hyperbolic
arches archi. constr'n 721.423
functions calculus 517.36
Hyperboloid
geometry, Cartesian 516.44
Hyperboreans Gk mythol. 292
Hyperdulia Mariology 232.931
Hyperelliptic functions
calculus 517.36
Hyperemia pathology 616.1
Hyperesthesia
diseases 616.856
physiol of tactile sense 612.887
psychology 132.156
Hyperesthetic theories
clairvoyance and
clairaudience 133.830162
Hypergons phot. lenses 771.352
Hypericales
(Parietales) botany 583.12
Hypericineae " 583.162
Hypericum " 583.162
Hyperides Greek oratory 885.7
Hypermetamorphosis biol. 574.35
bot. 581.35
zool. 591.35

Hypermetropia
see Farsightedness
Hypermnesia psychology 132.82
Hyperopia
see Farsightedness
Hyperpnea physiology 612.223
Hypersensitizing
to color phot. chem. 771.5342
Hyperspace cosmology 115.4
geometry 513.8
metaphysics 115.4
physics 530.1
Hyperstereoscopy phot. 778.43
Hypertragulidae mammal. 599.73554
paleozool. 569.73554
Hypertrophies
botany 581.228
skin pathology 616.54
Hypesthesia medicine 616.856
psychology 132.156
Hypethral buildings
architectural constr'n 721.552
Hyphomycetes botany 589.2411
Hypnagogic hallucinations
dreams 135.33
Hypnineae botany 588.21511
Hypnobryales " 588.2151
Hypnodendraceae " 588.21413
Hypnotics therapeutics 615.782
Hypnotism
and crime sociology 364.243
physiology of brain 612.82171
psychology 134
Hypo elimination phot. 770.2838
photography 771.547
Hypoblast embryology 611.01337
Hypoblastic organs
embryology 611.0134
Hypochnaceae botany 589.2213
Hypochondria medicine 616.8954
psychology 132.32
Hypochytriaceae botany 589.285
Hypocotyl " 581.33452
Hypocreaceae " 589.2354
Hypodermataceae " 589.2333
Hypodermic medication
therapeutics 615.63
Hypogastric artery anat. 611.1372
glands " 611.4651
plexus " 611.8393
Hypogastric (cont.)
region anat. 611.957
veins " 611.1471
Hypogeums architecture 726.84
Hypoglossal nerve
anatomy 611.83193
nucleus of anatomy 611.8189
physiology 612.81993
Hypogynous
monocotyledoneae bot. 584.3–.9
Hypomania medicine 616.89512
psychology 132.19512
Hyponasty botany 581.1855
Hypopharynx anatomy 611.3273
Hypophysis " 611.8143
physiology 612.492
Hypopterygiaceae botany 588.21521
Hypostasis ontology 111.32
Hypothalamus anatomy 611.8141
Hypotheses logic 167
Hypothetic sentences
English syntax 425.4
[3] other lang. —54
Hypoxidoideae
(Amaryllidaceae) bot. 584.25
Hypsometry physiography 551.53
Hyracodontidae mammal. 599.7282
paleozool. 569.7282
Hyracoidea mammalogy 599.62
Hyrcania history, ancient 939.62
Hyssop (Hypericaceae) bot. 583.162
(Labiatae) " 583.891
Hysteresis
dielectric
radio circuits 621.3841253
measurements 621.384174
magnetic radio materials 621.3841793
Hysteria
ecstatic psychology 132.54
medicine 616.852
psychology 132.152
Hysteric
amnesia psychology 132.8428
susceptibility hypnotism 134.0167
Hysteriineae botany 589.2333
Hysteron-proteron
English syntax 425.3
[3] other lang. —53
Hysterotomy obstetrics 618.86
Hyuga history 952.27

I

I beams, strength of eng. 620.11282
IQ psychologic norms 151.263
Iamblichus philosopher 186.4
Ibaraki history 952.131
Iberia, Asia hist., anc. 939.54
parish, La. hist. 976.349
Iberian peninsula " **946**
Iberville co., Que " 971.461
parish, La. " 976.344
Ibis (Herodiones) ornithol. 598.34
Ibsen, Henrik Norw. drama 839.8226
Iburi history 952.43
Icacinineae botany 583.289
Icarianism socialism 335.23
Ice age geology 551.79
anchor " 551.31
boating sports 796.97
carnivals recreation **796.9**
cream cookery 641.86
dealers trades 689
erosion & deposition geology **551.3**
formation aeronautics 629.13247
geologic agents 551.91
houses architecture 728.97
landscape art 717.65
impurities in hyg. 613.32
machines engineering **621.58**
mfg refrigeration **621.58**
meteorology 551.57
palaces architecture 725.862
plant, New Zealand (Aizoaceae) garden crops 635.4
plants veget. ecol. 581.52655
skates manufactures 685.361
sports **796.9**
trade economics 338.373
Icebergs geology 551.34
Iceboxes kitchen equip. 643.37
Ice-breakers shipbuilding 623.828
Iceland, discovery of Scan. history 948.02
history **949.1**
[4] **Icelandic language** **439.6**
Ices cookery 641.86
Ichang, China history 951.212
Ichijo Japanese " 952.01626
Ichneumon-fly (Entomophaga) agricultural pests 632.792
Ichneumonidae (Entomophaga) zoology 595.792
Ichnology paleozoology **566**
Ichthyology **597**
Ichthyopterygia herpetology 598.15
paleozoology 568.15
Iconoclasts ecclesiology 246.3
Iconography
Christian ecclesiology **246**
in other specific fields
[2] see subject —084
Iconology religious art 246.5
Iconometers photography 771.37
Iconostases ecclesiastic screens 729.962
Icterus, *see* Jaundice
Id psychoanalysis 131.3414
Ida co., Ia. history 977.742
Idaho co., Ida " 979.682
Falls, " " 979.6531
nat'l forest descr. 917.9676
state, admission US history 973.86
history **979.6**
see note under **Virginia**
Ideal
city types civic plan. 711.427
figures art anatomy 743.3
grape viticulture 634.84709
metaphysics 124
type ontology 111.831
Idealism
philosophy 141
early Greek 182.3
psychology **130.1633**
Idealistic
paintings fine arts 753
sculpture " " 731.52
Ideals, social sociology **301.15**
Ideas
and reproduction psychol. of memory 154.3344
association of psychol. **153.2**
flight of
medicine 616.89566
psychology, abnormal 132.19566

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Ideas (cont.)
innate
psychology 153.112
of intuition 156
kinesthetic, and
voluntary action
psychol. of will 159.232
personification of
psychology 152.777
psychology 153.1
Ideation psychology 153
Identification
games recreation 793.73
means of advertizing 659.12
psychology of memory 154.34
see also Recognition
Identity
insignia numismatics 737.2
mistaken
legal procedure 347.94
ontology 111.821
personal doc. theol. 233.6
metaphysics 126
psychology 153.7
psychology of recognition 154.3441–2
Identoscopes photography 771.37
Ideology philosophy 145
Ideomotor theories of
conception psychology 153.101662
Idiocy
and genius psychology 151.162
amaurotic " 132.2441
childstudy 136.7622422
pathology 616.8
psychology 132.2422
see also Feeblemindedness
Idiom neutral
universal language 408.9
Idioms English language 423.1
[3] other " —31
Idiosyncrasy
and medicines therap. 615.57
psychology 137
Idiots biography 920.8
Idleness
ethics 179.8
wealth consumption 339.44
Ido universal language 408.9
Idolatry comp. relig. 291.218
Idumaea history, ancient 939.46
Idutywa " 968.676
Idyllic music
instrumental 785.3
vocal 784.3
Ieharu Japanese history 952.02527
Iemitsu " " 952.02512
Iemochi " " 952.02532
Ienari " " 952.02529
Ienobu " " 952.02524
Iesada " " 952.02532
Ieshige " " 952.02526
Ietsugu " " 952.02524
Ietsuna " " 952.02522
Ieyasu " " 952.02511
Ieyoshi " " 952.02531
Iffland, A W Ger. drama 832.65
Ifni history 964.8
Iga " 952.1821
Iglesias de la Casa, José
Spanish poetry 861.47
Igneous rocks petrology 552.1
Ignition
controls motor vehicles 629.2548
devices
combustion gas engines 621.437
shielding
radio on aircraft 621.38419142
system motor vehicles 629.254
Iguanodon herpetology 598.19
paleozoology 568.19
Ihre, Johan Swed. lit. 839.7843
Ijebu history 966.92
Iki " 952.213
Ilan " 952.915
Ile de France " 944.34
Indian ocean
history 969.82
d'Orléans, Que hist. 971.448
Ileocecal valve anatomy 611.3451
Ileocolic artery " 611.13651
Ileum " 611.344
Ilex (Ilicaceae)
field crops 633.77
Iliac arteries anatomy 611.137
glands " 611.4651
veins " 611.147
Iliacus " 611.73812
Iliad Greek epic poetry 883.1
Ilicineae botany 583.2781
Ilio-
costal muscle anat. 611.73131
femoral ligament " 611.7282
hypogastric nerve " 611.83541
inguinal nerve " 611.83542
psoadic muscle " 611.73811
Ilium " 611.71811
history, ancient 939.21

Ill treated children
care of sociology 362.74
treatment of children
ethics 179.2
Illecebraceae botany 583.912
Ille-et-Vilaine history 944.15
Illegitimacy
and crime sociology 364.253
child welfare 362.72
demography 312.1
private law 347.6
sex customs 392.6
Illinois, admission
US history 973.54
history **977.3**
see note under Virginia
Illiteracy
and birth rate demog. 312.1
crime sociology 364.254
spelling reform
English language 421.4
[3] other " —14
public education **379.2**
suffrage requisites 324.14
Illiterato Ignorantio
called Idiota, *pseud.*
Greman fiction 833.52
Illuminated
fountains lands. art 714.32
signs advertizing 659.136
Illuminati secret societies 366.4
Illuminating gas
see Gas, nat.; Gas works
Illumination
domestic economy **644.3**
electric engineering **621.32**
physics 537.83
engineering 628.9
instruments for astron. 522.55
interior decoration 747.92
microscopy 578.5
of letters, borders, etc.
arts & crafts 745.67
ecclesiastic art 247.4
rare books 096.1
Sunday school work 268.685
photographic preparations 770.282
Illuminations
recreation 791.6
Illuminism
psychology **132.5**
Illusions
geometric physiology **612.8437415**
metapsychology **133.24**
normal psychology **152.73**
Illusions (cont.)
optic physiology **612.84374**
psychology **152.1374**
photographic fine arts 778.8
sensory
physiology of brain 612.82189
spiritism 133.90164
Illustrations
advertizing copy 659.1323
drawing **741.6**
engraving 769.5
for projection phot. 778.25
of books printing 655.32
publishing 655.53
rare book rarities 096.1
in other specific fields
[2] see subject —084
Illyria history 943.66
ancient 939.87
Illyrian emperors
Roman history 937.07
Ilorin history 966.96
Image
localization in space
physiology **612.84372**
psychology **152.1372**
producing apparatus mfg 681.133
worship comp. relig. **291.218**
Imageless thought
in reasoning psychology 153.652
Imagery in dreams psychol. 135.33
Images
and reproduction
psychology of memory 154.3343
double, illusion
physiology 612.8437414
psychology 152.137414
exemplifying
psychol. of abstraction 153.343
miraculous doc. theol. 231.73
religious ecclesiology 246.3
successive physiology **612.84352**
psychology **152.1352**
transmission of
electric eng. **621.388**
Imaginaries, calculus of 517.8
Imaginary
expressions and
quantities algebra 512.24
wars military tactics 355.48
Imagination
and advertizing bus 659.10115
art psychology 701.15
drawing from fine arts 741.42

Imagination (cont.)
in science 501
physiology of brain 612.8212
psychology 155
tests
psychol. measurements 151.22335
therapeutics 615.851
Imaginative works
Christology 232.99
Imbecility
childstudy 136.7622423
moral childstudy 136.762223
psychology 132.223
pathology 616.8
psychology 132.2423
see also Feeblemindedness
Imbibition
physiology 612.381
botanic 581.1153
processes photography 773.3
Imitation
educational psychology 370.1584245
instinct psychology 158.4245
observation of
comparative psychol. 151.3072584
social psychology 301.1518
Immaculate conception
Christology 232.1
Immańang history 966.27
Immateriality ontology 111.7
Immersion
baptismal sacraments 265.1
Immersionism
Baptist doctrines 230.6
Immersionists sect. hist. 286
Immigrant fees polit. sci. 325.153
Immigrants
abuses of polit. sci. 325.16
assimilation of
political science 325.18
protection of
political science 325.16
registration of
political science 325.152
see also Aliens, Colonies and colonization, Colonization, Emigrants
Immigration
act, 1921 US history 973.914
agencies polit. sci. 325.1065
and crime sociology 364.256
burcaus polit. sci. 325.1061
causes of " " 325.13
control
crime prevention 364.42
Immigration (cont.)
effects of polit. sci. 325.14
exclusion " " 325.154
political science 325.1
regulation and control
political science 325.15
restriction polit. sci. 325.154
see also Colonization
Immoral literature
and art ethics 176.7–.8
library book selection 025.217
loan restrictions 024.674
rare books 098.1
Immortality
doctrinal theology 237.2–.3
metaphysics 129.6
natural theology 218
of animals zoology 591.51
Immultiplicability of forms
in space ontology 111.322
Immunity
against venoms physiol. 612.3143
diplomatic int'l law 341.7
natural physiology 612.118222
school rewards 371.53
Immunization pub. health 614.47
Immunology medicine 615.37
Immutability ontology 111.831
Impact
tests eng. materials 620.1125
with projectiles
ballistics 623.561
Impasto painting 751.45
Impeachment
civil service 351.99
constitutional law 342
criminal " 343
legislative power 328.345
procedure 328.3791
Impedance radio circuits 621.384122
tubes 621.38413217
Impendhle history 968.45
Imperfect arches
architectural construction 721.413
Imperfections of animals
zootechny 636.08115
Imperial
card games 795.41
county, Calif. history 979.499
federation Brit. gov't 354.4201
preference tariff 337.92
robes ceremonies 394.4
Imperialism colonization 325.317
commerce 382
polit. sci. 321.03

Imperials roof constr'n 721.588
Implements
factories architecture 725.435
farming 631.3
kitchen dom. econ. 643.3
museum equipment 069.33
primitive archeology 571
in other specific fields
[2] see subject —078
Implied powers legislature 328.253
Impofana history 968.42
Import
duties
local public finance 336.282
public finance 336.263
tariff 337.34
express rates railways 385.1323323
prohibition tariff 337.34
Importance
arrangement by
office files 651.531
[2] of subject, see subject —013
Importation, duty free
library aid 021.861
tariff 337.8
Imports
commerce 382
forest economy 634.92726
temporary admission
tariff 337.84
Imposition printing 655.27
Imposts columnar constr'n 721.38
Impostures quackery 133.7
in specific fields
[2] see subject —0885
Impotence, moral psychol. 132.755
pathology 616.69
Impoverishment of soil 631.45
Imprecations ethics 179.5
Impregnation physiology 612.63
zootechny 636.082454
Impregnations geol., econ. 553.18
Impressionism
painting schools 759.914
Impressions
exteriorization of
spiritism 133.90162
Impressment
military science 355.22
naval " 359.22
Imprints
cataloging 025.3
Imprints (cont.)
fictitious & imaginary
bibliography 014
book rarities 098.3
Imprisonment crim. law 343.2
Improved order of red men
secret societies 366
Improvisation music tech. 781.65
organ music 786.87
Impulse
and reflexes physiol. 612.83397
criminal sociology 364.34
excitation
radio circuits 621.384121
system radio 621.3841536
of liquids hydraulics 532.58
physiology of brain 612.82134
turbines, hydraulic
mechanical eng. 621.247
velocity, nervous
psychometry 152.830903
wheels mech. eng. 621.23
Impulses
psychology of instinct 158.4244
Inaba history 952.1951
Inability, human
doctrinal theology 233.4
Inanda history 968.46
In-and-in breeding
biology 575.133
zootechny 636.08241
Inanition and temperature
physiology 612.543
pathology 616.39
physiology of
nutrition 612.391
Inarching plant culture 631.5416
Inattention, acquired
psychology 152.7237
Inaugurations
ceremonies 394.43
[1] **university & college 378**
Inbreeding
see In-and-in breeding
Inca civilization history 985
Incan architectural styles 722.913
Incandescence thermology 536.45
Incandescent
burners phot. lighting 771.444
light phot. fine arts 771.4476
lighting elec. eng. 621.326
spirit lamps
photographic lighting 771.446
Incantations sorcery 133.42

Incapacity suffrage limit. 324.171
Incarnation Christology 232.1
comp. relig. 291.61
metaphysics 129.4
Incendiary devices ordn. 623.45431
shells " 623.4516
Incense ecclesiology 247.9
Incentives
school government 371.53
to research univ. & col. 378.32
work economics 331.14
library econ. 023.9
office " 651.447
in other specific fields
[2] see subject —079
Incest biology 575.133
criminal law 343
ethics 176.6
physiology 612.607
psychology 132.7547
zootechny 636.08241
Inch metrology 389
Inchbald, Mrs Elizabeth
(Simpson) Eng. drama 822.67
Incidence taxation 336.294
Incineration
of garbage san. eng. 628.44
see also Cremation
Incinerators, municipal
architecture 725.194
city planning 711.661
Incised enamel ceramics 738.43
Incising numismatics 737.44
Inclined
railways commerce 385.62
vaults arched constr'n 721.455
Inclines railroad eng. 625.3
Inclinometers
aircraft equipment 629.13516
Inclosures
direct advertizing 659.133
door & window
archi. constr'n 721.86
office correspondence 651.754
see also Enclosure
Income
and capital polit. econ. 339.3
library, admin. of 025.111–.113
newspaper journalism 070.35
public finance 336
students' education 371.226
univ. & col. 378.36
Income (cont.)
tax amendment, 1913
US constit. law 342.73
history 973.912
law decision, 1895
US history 973.87
public finance 336.24
value
real property taxation 336.222
wealth distribution 339.23
Incompetency
suffrage limitations 324.171
Incongruity
ethnic genius 151.13
Incorporations of ideas
primary psychology 152.7
secondary " 153.2
Incorrigibility
juvenile delinquency 364.36
Increment forest manage. 634.928322
Incrustation
architectural decoration 729.6
in steam boilers
mechanical eng. 621.1944
library buildings 022.346
metal arts 739.15
Incrusted enamels
ceramics 738.45
Incubator houses archi. 728.945
Incubators zootechny 636.082474
Incubuses sorcery 133.42
Incunabula book rarities 093
Incurables, hospitals for
architecture 725.513
sociology 362.13
Incus anatomy of ear 611.857
Indefinite
metaphysics 125
number ontology 111.821
Indelible inks
chemic technology 667.4
Indemnity
law of war 341.3
public finance 336.18
work ending labor econ. 331.13
Indentured labor econ. 331.54
Independence
city, Kan history 978.1931
county, Ark " 976.726
Declaration of US hist. 973.313
see also Fourth of July
religious
ecclesiastic polity 262.8
see also Liberty of conscience

Independent angles geod. 526.51
Independents
[1] **Congregationalists** 285.8
painting schools 759.914
[1] **Puritans** 285.9
Indeterminate
forms calculus 517.22
sentence criminology 364.62
Indeterminism
metaphysics 123
psychology of will 159.14
Index
error astron. instr. 522.38
expurgatorius
rare books 098.11
librorum prohibitorum
rare books 098.11
museum acquisitions 069.52
number standards money 332.56
numbers
and wages economics 331.2154
office fitting 651.4655
prices 338.52
securities 332.61
statistics 311.26
rerum
literary methods 029.5
reading meth. lib. econ. 028.1
Indexes
see Bibliography, Catalogs
Indexing literary methods 029.5
India
architectural styles
ancient 722.41
Mohammedan 723.34
East, Co. foreign trade 382.065
Farther history 959
history 954
ancient 934
ink painting 751.234
rubber, *see* Rubber
Indian
archipelago history 991
see also East Indies, West Indies
architectural styles 722.91
arrowwood (Cornaceae)
botany 583.497
ball sports 796.31
breadroot (Fabaceae) bot. 583.322
bureau US gov't 353.3
chickweed (Aizoaceae) bot. 583.475
clubs athletics 796.41
Indian (cont.)
corn, *see* Maize
cress (Tropaeolaceae)
garden crops 635.566
fig (Cactaceae)
fruitculture 634.7754
(Moraceae) bot. 583.9622
game fowls (Gallinae)
agriculture 636.58814
goose (Anseres) agric. 636.59886
hemp (Apocynaceae)
field crops 633.567
(Cannabinaceae)
botany 583.9623
(Hindu) *see* Hindu
legends folklore 398.22
missions religion 266
mortality pub. health 614.144
Ocean
history 950
physiography 551.467
South, islands hist. 969
pipe (Monotropaceae) bot. 583.63
plum (Bixaceae) " 583.138
pony (Equidae) dom. anim. 636.168
religions comp. theol. 299.7
River co., Fla hist. 975.928
runner duck (Anseres)
agriculture 636.59722
Territory, US hist. 976.65
tribes history 970.3
turnip (Araceae) bot. 584.65
(Fabaceae) " 583.322
warfare military sci. 355.425
Indiana
county, Pa history 974.889
state, admission
US history 973.51
history 977.2
see note under **Virginia**
Indianapolis, Ind history 977.252
Indians
American revolution 973.343
biography of 970.2
demography 312.9
education of 371.975
ethnology 572.97
European war, 1914–19 940.403
history 970.1–.6
languages of 497–498
literature of 897–898
psychology of 136.497
South American 980.1–.6
War of 1812 973.5242
YMCA work with 267.366

Indic
" **languages** 491.1
" old 491.2
" **middle, languages** 491.3
modern " 491.4
religions comp. theol. 299.11
Indican
physiology of urine 612.46664
Indicators
motor vehicle equip. 629.2733
railway architecture 725.316
steam engineering 621.1977
Indicatory transfers
psychology of reflection 153.4
Indictments criminal law 343.1
Indifference
employes ethics
library economy 023.96
office " 651.446
Indigent illiterates
public education 379.22
Indigestion, *see* Dyspepsia
Indigo dyeing industry 667.2
(Fabaceae) botany 583.322
Indirect taxation
public finance 336.271
Indium chemistry 546.67
Individual
differences, provision for
school classes 371.25
instruction educ. meth. 371.394
Individualism
philosophy 141
political economy 330.153
symbiotic botany 581.55732
Individuality doc. theol. 233.6
psychology 137
Individuals and state
political science 323.4
Individuation ontology 111.322
Indivisibility ontology 111.82
Indo-Ayran archi. styles 722.415
Indo-China history 959
Indoctrination in educ. 370.1
Indo-European languages 491
Indoor
grafting agriculture 631.5418
photography fine arts 778.72
vs outdoor relief
pauperism 339.16
sociology 362.5
Indorsement private law 347.4
Indotint process phot. 774.1
Indre history 944.551
sheep (Bovidae)
domestic animals 636.3441
Indre-et-Loire history 944.54
Inducements school gov't 371.53
Inductance
coils
radio capacity
measurements 621.384172
inductors 621.38413322
measurement radio 621.384173
meters elec. eng. 621.3742
radio antennas 621.38413514
circuits 621.3841252
Induction
apparatus, stationary
electric eng. 621.314
balance electrostatics 537.24
coil elec., theoretic 537.51
coils
electric eng. 621.3147
radio transmitting 621.3841316
telephony 621.3864
educational methods 371.34
generators elec. eng. 621.31363
hypnotism 134.2
logic 161
magnetism 538.2
motors elec. eng. 621.31364
psychology 153.633
regulators, potential
electric eng. 621.31452
simultaneous, in eye
physiology 612.8432
psychology 152.132
spark electricity 537.52
telegraphy elec. eng. 621.38294
Inductive
disturbances
prevention of radio 621.38413192
method Sunday schools 268.64
Inductors radio 621.3841332
Indulgences
Catholic doctrine 230.2
penance 265.66
sectarian history 282
Industrial
architecture 725
areas
city zoning 711.554
regional planning 711.32
waterfront city plan. 711.764
arts & applied science 600

Industrial (cont.)
buildings
architecture 725.4
business management 658.2
prisons 365.54
cartels & pools
production 338.83
chemistry 660
cities civic arts 711.454
classes
economics 331
libraries for
labor economics 331.85
library economy 027.64
combinations production 338.8
concessions " 338.91
conditions and city plan.
civic arts 711.13
credit
financial economics 332.742
institutions fin. econ. 332.312
decentralization
production 338.018
decoration & design
fine arts 745–749
democracy economics 331.152
depressions " 338.57
see also in Tables subhead Crises under specific types of production, e.g. 338.15
diseases economics 331.822
see also specific names & names of organs & systems affected
disputes polit. econ. 331.89
drafting mech. drawing 744.42
economics
business management 658.3
production 338
education
economics 331.86
useful arts 607
vocational guidance 371.426
equipment bus. manage. 658.2
exhibitions
advertizing 659.152
& museums useful arts 606
fatigue economics 331.824
handicrafts 680
fine arts 745.2
[1] **history useful arts** 609
hygiene economics 331.822
in-service training
labor economics 331.86
insurance business 368.4
economics 331.2544

Industrial (cont.)
land economic use 333.77
[1] **legislation production** 338.9
management business 658
museums museum econ. 069.0186
nationalization
labor economics 331.86
nuisances private law 347.5
opportunities city plan. 711.14
parliamentarism
production 338.91
planning production 338.91
production
economics 338.65
viewpoint
in specific fields
[2] see subject —003
railways commerce 385.5
rationalization
production 338.018
relations economics 331.152
reproduction phot. 778.1
rings & cliques
production 338.84
safety
business management 658.283
economics 331.823
public administration 351.781
health 614.85
sanitation
engineering 628.5
public health 614.7
schools
reformatories 364.722
archi. 725.64
service aircraft 629.1386
specimens museum econ. 069.46
statistics economics 331.00031
subjects painting 758.6
suburbs city planning 711.552
training prison schools 365.662
tribunals economics 331.16
trusts production 338.85
workers of the world
labor organizations 331.886
syndicalism 335.82
Industrialization
production 338.018
Industries
arts & crafts in f. arts 745.2
chemical 660
corporate production 338.74
large " 338.65
military resources 355.26

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Industries (cont.)
prehistoric archeology 571.6
primitive production 338.62
small " 338.64
state public finance 336.19
wages in special econ. 331.28
Industriousness ethics 179.9
Industry admin. regula. 351.82
Indwedwe history 968.45
Inebriate asylums
see Asylums, inebriate
Inequalities in
distribution wealth 339.22
Inertia measurements
phot. sensitometry 771.5345
Infallibility
church eccles. polity 262.8
divine doctrinal theol. 231.6
papal
denied Old Catholics 284.81
ecclesiastic polity 262.131
sectarian history 282
Infancy
of Christ Christology 232.92
psychology of 136.7352
see also Adolescence, Childhood
Infant
baptism sacraments 265.1
diet physiology 612.3942
medicines therapeutics 615.54
mortality demography 312.2
pub. health 614.132
salvation doc. theol. 234
schools education 372.2
Infantado sheep (Bovidae)
domestic animals 636.364
Infanticide
criminal law 343
customs & manners 392.2
ethics 173.4
Infantile
paralysis medicine 616.83
pub. health 614.54
surgery 617.48
Infantry
military science 356
naval naval " 359.96
Infants
care of
domestic economy 649.1
newborn obstetrics 618.6
diseases of 618.92
hospitals for sociol. 362.15
protection of
child welfare 362.71
see also Children
Infections
and splenic action
physiology 612.416
medical etiology 616.01
protection against
industrial sanitation 628.513
Infectious diseases
see Diseases, infectious
Inferae botany 583.51–.591
Inference psychology 153.6
Inferior families
genetic psychology 136.32
Inferiority
complex psychoanalysis 131.34123
psychopathic childstudy 136.76222
psychology 132.22
Infernal machines
chemic technology 662.2
Inferno
library loan restrictions 024.674
rare books 098.1
Infidelity natural theol. 211
Infidels, religious biog. 922.9
Infiltration of water
mining 622.51
Infinite
and finite metaphysics 125
multitude ontology 111.821
Infinitesimal calculus 517.1
geometry 513.7
Infinitive
English etymology 422.8
3 other lang. —28
syntax 425.8
3 other lang. —58
Infirm
care of domestic econ. 649.8
public relief 362.65
libraries for 027.6626
Infirmaries
architecture 725.511
military establishments 355.72
school buildings 371.625
sociology 362.11
Infirmities, physical
demography 312.6
Inflammation
cutaneous pathology 616.51
physiology 612.556
surgery 617.22
Inflammatory mental
deficiency psychology 132.2446
Inflation
apparatus aircraft 629.134382
materials " 629.1343222

Inflation (cont.)
money 332.414
prices 338.52
repudiation by
public debt 336.368
Inflected arches
architectural constr'n 721.427
Inflection
English grammar 425.1
[3] other lang. —51
Inflorescence botany 581.4635
Influence
electoral frauds 324.271
spheres of polit. sci. 321.027
Influenza
inoculation pub. health 614.478203
pathology 616.203
public health 614.54
Influxus physicus psychol. 130.16224
Information
bureaus museum economy 069.15
welfare work 361.8
[1] **circulars, univ. & col.** **378**
desk office economy 651.456
sources
in specific fields
[2] see subject —0002
Inframement landscape art 712.28
Infraorbital nerve anat. 611.831542
Infrared
photography fine arts 778.34
rays optics 535.6
spectrum 535.84
Infraspinatus anatomy 611.73713
Infundibula
anat. of spermatic cord 611.639
Infundibulum anatomy 611.8143
physiology 612.8263
Infusoria zoology **593.15**
Infusorial earth
geology, economic 553.69
petrology 552.57
Ingemann, B S Dan. poet. 839.81162
Ingermanland history 947.4
Ingersoll, C J
American drama 812.24
Ingham co., Mich hist. **977.426**
Inglenooks architecture 729.95
fine arts 749.62
Ingrain carpet mfg 677.643
Ingria history 947.4
Inguinal
canal anatomy, regional 611.9814
glands " 611.4681
Ingwavuma history 968.38
Inhalation
and exhalation physiol. **612.21**
biology **574.12**
botany **581.12**
therapeutics 615.64
zoology **591.12**
see also Exhalation
Inhamban history 967.98
Inheritance
alternative biology **575.113**
blending " **575.112**
evolution **575.1**
land economics 333.35
law jurisprudence 347.6
mosaic biology 575.114
of characters " **575.12**
psychology **136.3**
spiritual doc. theol. 233.3
metaphysics 129.2
tax public finance 336.276
viticulture **634.835**
see also Heredity
Inhibition
of movement
physiol. of brain 612.82134
physiology 612.8011
psychology of movement 158.2323
Inhibitory actions
physiology of brain 612.82523
Initials
games 793.72
ornamental arts & crafts 745.6
Initiative
direct legislation 328.261
political science 321.4
psychology of will 159.24
Injection pumps, hydraulic
mechanical engineering 621.267
Injections
intra-uterine obstetrics 618.89
physiology of blood 612.11812
preservative
biologic collecting 579.3
therapeutics 615.6
Injectors
locomotive boilers 621.1339
steam engineering 621.1973
Injunctions
employer use of econ. 331.8947
labor " " " 331.8937
legal procedure 347.95
Injured, aid to
public health **614.88**

Injuries
agricultural hindrances 632
and abuses lib. econ. 024.8
biology 574.24
effects of pathology 616.98
floricultural hindrances 635.92
forest " 634.96
mechanical
effects of pathol. 616.982
pathologic botany 581.24
private law 347.5
statistics demography 312.2
surgery 617.1–.2
to library books
shelf dept 025.8
viticultural hindrances 634.82
zoology 591.2
Injurious plants
agricultural pests 632.5
Ink advertizing layout 659.1324
eradicators
office supplies 651.4663
library stamp
ownership marks 025.252
office supplies 651.4663
pads manufactures 681.6261
office fittings 651.4653
painting fine arts 751.42
printing photography 773.15
processes
bichromate phot. 773.122
fatty " 774
gelatinous
photoengraving 777.5
recording system
automatic
telegraphy 621.38244
Ink-blot tests psychology 151.23
Inking
apparatus
writing machine mfg 681.6113
lithography 763.8
tables, photomechanical
printing photography 771.8
wood engraving 761.28
Ink-photo process
photolithography 775.6
Inks chemic technology 667.4
painting 751.234
photographic chem. 771.55
printing chem. tech. 667.5
typography 655.32
Inkstands office fittings 651.4653
Inkyo Japanese history 952.0132
Inlaid enamels ceramics 738.45
Inland
canals commerce 386.46
empire, US history 979.71
harbors commerce 386.8
sea, Japan history 952.199
seas physiography 551.48
tides on
astronomy 525.66
Inlaying
architectural decoration 729.63
artistic furniture 749.5
woodworking 745.51
Inlets sewerage engineering 628.255
Innate
ideas
psychol. of knowledge 153.112
reason psychology 156
virtues soteriology 234.14
Innatism philosophy 149.7
Inner
cities civic arts 711.425
self
psychol. of personality 153.72
Innervation
anatomy 611.83
center
physiology of myel 612.834
feelings of
and voluntary action
psychology of will 159.233
of eye muscles physiol. 612.81933
eyelids " 612.81932
iris " 612.81931
larynx " 612.782
lympathic system
physiology 612.425
mammary glands
physiology 612.6648
respiratory organs
physiology 612.819922
speech organs
physiology 612.7893
uterus physiology 612.6278
vesical apparatus
physiology 612.4673
vocal organs
physiology 612.819923
physiology 612.801
of heart 612.178
sensations
physiology of touch 612.885
psychology 152.673525
see also Paralysis
Innocence of man
doctrinal theology 233.12

Innocent 3 church hist. 270.5
Innocents, massacre of
Christology 232.925
Innominate artery anat. 611.1325
veins " 611.145
Innominatum anatomy 611.7181
Inns architecture 728.5
domestic economy 647.94
hyg. of dwellings 613.52
of court Eng. law 340.711421
table system 642.5
Inoculation
agriculture 631.5415
protective pub. health 614.47
Inodes (Palmaceae)
fiber crops 633.584
Inorganic
and organic matter
biology 577.1
physiology 612.0136
chemistry 546
drugs pharmacology 615.2
excretion botany 581.1495
gases chemistry 541.336
liquids " 541.326
material microscopy 578.7
substances chem. anal. 543.7
Inositol and nutrition
physiology 612.39619
Inquest, coroner's
jurisprudence 347.96
medical 340.6
public health 614.23
Inquiries, parliamentary
legislation 328.372
Inquiry, courts of
military life 355.131
Inquisition
church history 272.2
ecclesiastic trials 262.9
Spanish history 946.04
Insane
asylums architecture 725.52
sociology 362.2
biography 920.8
convicts prisons 365.44
dreams of psychology 135.364
libraries for 027.6623
prison hygiene 365.664
reaction time of
psychometry 152.838132
sensitivity of
psychophysics 152.828132
sleep of psychology 135.274
suffrage limitation 324.171
Insanity
alternating medicine 616.8953
and crime sociology 364.243
genius psychology 151.162
sex diff. psychol. 136.12
animal comp. " 151.332
criminal law 340.6
discordant medicine 616.8982
legal capacity 347.1
medicine 616.8
moral childstudy 136.762223
psychology 132.223
mystic " 132.5
psychology 132.1
religious psychology 132.5
Inscriptions
ancient
philology 417
English 421.7
[3] other lang. —17
numismatics 737.46
Insect galls pathol. bot. 581.274
Insecticides
agric. preparations 632.951
protection 632.7
domestic economy 648.7
museum " 069.44
Insectivora mammalogy 599.33
Insectivorous plants
vegetable ecology 581.53332
Insects
and veget. fertilization
botany 581.1662567
entomology 595.7
injurious
agricultural pests 632.7
economic zoology 591.65
to books lib. econ. 025.8
metamorphosis of zool. 591.34
pathologic botany 581.2337
useful agriculture 638
Inserts adver. layout 659.1324
direct adver. 659.133
In-service training, indus.
labor economics 331.86
Insessores ornithology 598.8
Inshu history 952.1951
Insight
observation comp. psychol. 151.3072584
psychology 156
Insignia
ecclesiastic theology 247.6
heraldry 929.6–.9
honorary, in specific
[2] fields see subject —079

Insignia (cont.)
military decorations 355.134
identification 355.81
numismatic " 737.2
universities & colleges 378.27–.29
Insiza history 968.925
Insolvency
financial economics 332.75
insurance business 368.81
private law 347.7
public gov't credit 336.368
Insomnia hygiene 613.86
medicine 616.84
psychology 135.273
Inspection
aircraft construction 629.1345
bus. receiving methods 658.772
commercial regulations 380.1682212
factory polit. economy 331.82
motor vehicles 629.2347
pits, railway archi. 725.33
radio regulation 621.38400037
services mil. admin. 355.63
shop management 658.562
Inspectors
military science 355.33
prison administration 365.62
public school system 379.15
Inspiration Bible 220.1
genius 151.123
Inspired men comp. relig. 291.63
Installation, eccles., *see* Ordination
Instalment plan
sales methods 658.883
Instantaneous photography
fine arts 778.37
Instinct
and advertizing bus. 659.10115
animal
comp. psychology 151.358424
ecology 591.51
physiology 612.821313
biology 575.31
physiology of brain 612.8213
psychoanalysis 131.34122
psychology 158.424
social psychology 301.1518
vegetable ecology 581.51
Institute of charity
religious order 271.79
Institutes
[1] **adult education 374.9**
farmers' agriculture 630.715
library training 020.715
Institutes (cont.)
Roman law 349.374
[1] **teachers education 370.72**
in other specific fields
[2] see subject —07152
Institutional
churches architecture 726.56
progress sociology 301.1535
publications
publishing 655.59
vs public poor relief charity 362.5
Institutions
Christian 260
educational 370
exemptions of tariff 337.82
financial polit. econ. 332
housekeeping in domestic economy 647.96
patronal labor econ. 331.17
social psychology 301.15
welfare sociology 360
Instruction
camps military science 355.52
dramatic educ. meth. 371.3325
individual " " 371.394
methods Sunday schools 268.6
teaching 371.3
public worship 264.6
supervision of
governmental 379.15
school administration 371.2
in other specific fields
[2] see subject —07
Instructors
military 355.34
private education 373.1
school force 371.1473
universities & colleges 378.12
Instrument
board aircraft 629.13434
mot. veh. body 629.2634
mountings aircraft 629.1358
Instrumental
ensemble music 785
execution " 781.6327
music, *see* Music, instrumental
Instrumentalism philos. 144
Instrumentation music 781.631
Instruments
and voices music 781.633
astronomic science 522
chronologic astronomy 529.78

Instruments (cont.)
geodetic
for triangulation 526.33
meridional astronomy 522.3
musical, *see*
Musical instruments
of communication mfg 681.63
precision " 681
optic physics 535.8
radio engineering 621.384133
steam " 621.1977
surgical medicine 617.91
surveying geodesy 526.91
telegraphic business 654.1
elec. eng. 621.383
telephone business 654.6
in other specific fields
[2] see subject —078
Insula anatomy 611.81319
Insulated wire mfg 677.73
Insulating
masonry 693.67
materials bldg indus. 691.9
elec. lines 621.31937
radio 621.3841791
process elec. eng. 621.318
rods voltaic cells 621.3522
roofing 695
Insulators
elec. transmission 621.3194
local elec. lighting 621.3285
radio antennas 621.38413586
circuits 621.38413386
steam piping 621.1856
Insurance
admin. regulation 351.825
against
accidents business 368.41
economics 331.25441
burglary business 368.82
casualties " 368.5
damage " 368.6
financial losses " 368.81
fire " 368.1
invalidity " 368.43
economics 331.25443
sickness business 368.42
economics 331.25442
theft business 368.82
unemployment " 368.44
econ. 331.25444
and statistics business 368.01
business sociology 368
commissioners 368.91
Insurance (cont.)
compulsory business 368.4
labor econ. 331.251
cooperative
political economy 334.3
societies bldgs
architecture 728.46
farm economics 631.175
fees, express railways 385.132392
for employes economics 331.25
government control over 368.91
group business 368.4
economics 331.253
in Japan 368.952
New York state 368.9747
Russia 368.947
etc.
individual economics 331.254
industrial business 368.4
economics 331.2544
library 022.27
life
business 368.3
economics 331.2543
math. probabilities 519.5
marine business 368.2
maternity " 368.424
motor vehicle 629.21363
museum 069.66
of timber forestry 634.92844
office buildings archi. 725.23
old age business 368.43
economics 331.25443
social
business 368.4
economics 331.2544
state labor economics 331.25
teachers' education 371.17
workmen's business 368.4
economics 331.2544
zootechny expenses 636.08175
Insurgent, ship US hist. 973.45
Insurrections polit. sci. 323.2
Intaglio engraving
fine arts 762
photographic fine arts 777.1
Intaglios carving 736.2
Intarsia archi. dec. 729.63
Integral
and diff. calculus 517.1
calculus 517.3
photography fine arts 773.7
socialism polit. econ. 335.35

Integration
formulas calculus 517.31
of personality educ. 370.1
psychol. 137.5
Integrity bus. ethics 174
Integument
biology comp. anatomy 574.47
botany " " 581.47
organography, biologic 574.77
botanic 581.77
zoologic 591.77
vegetable histology 581.847
zoology comp. anatomy 591.47
Integumentary system
anatomy 611.77
surgery 617.47
Intellect psychology 151
Intellection " 153
Intellectual
defects childstudy 136.76224
psychology 132.24
development
and church theology 261.5
arrests of childstudy 136.7622
psychology 132.2
childstudy 136.72
diff. psychology 136
education 370
faculties phrenology 139.23
functions
physiology 612.821
of cortex 612.8258
psychophysiology 131.2258
life labor economics 331.85
self-education 374
production economics 338.46
products, duty on
tariff 337.7
property, *see* Authorship, Copyright, Patents
qualities, hereditary
genetic psychology 136.31
type personality 137.45
Intellectualism philosophy 149.7
Intelligence
and poisons
physiology of brain 612.8214
animal ecology 591.51
officers mil. science 355.34
offices, *see* Employment bureaus
physiology of brain 612.8213
psychology 151
quotient psychol. norms 151.263
Intelligence (cont.)
service, *see* Secret service
social psychology 301.1511
tests childstudy 136.702
immig. limit. 325.154
psychology 151.2
schools 371.26
Intemperance, *see* Temperance
Intensifiers phot. chem. 771.546
Intensifying photography 770.2837
Intensity
and attention psychol. 152.723222
meters electric eng. 621.3744
photometers phot. chem. 771.5345
radio receivers 621.38413612
signal, measurement
radio 621.384177
Intentions psychol. of will 159.4
Interaction
of parallel lines
elec. transmission 621.31921
psychology 130.1622
Interalveolar cell-islets
pancreatic anatomy 611.377
Interbrain " 611.814
Intercalation lit. meth. 029.1
Intercalatum anatomy 611.81541
Intercarpal joints anat. 611.7275
Intercellular
respiration
biology 574.124
physiologic botany 581.124
spaces veget. morphol. 581.424
Intercolumniation
architectural design 729.325
Intercommunicating system
telephony 621.3853
Intercommunication
sociology 380
useful arts 650
Intercostal
arteries anatomy 611.1354
glands " 611.4643
muscles " 611.7356
nerves " 611.8342
Intercuneiform joints
anatomy 611.72858
Interdenominational work
sectarian history 280
Interdiction, censorious
penance 265.65
Interdicts
ecclesiastic discipline 262.9
labor disputes 331.8942

Interest
and attention
psychology 152.723233
recall
psychology of
memory 154.3313
usury
commercial law 347.7
calculation of
arithmetic 511.8
financial economics 332.82
government guaranteed
production 338.91
public credit 336.341
income taxation 336.244
rates pub. securities 336.31
tables accounting 657
office fittings 651.4655
wealth distribution 339.23
Interference
elimination radio 621.384154
heliochromy phot. 778.64
magneto
radio on aircraft 621.38419142
optics 535.4
radio receivers 621.38413616
social psychology 301.1532
spiritism 133.93
Intergovernmental loans
public debt 336.343
income 336.15
Interior
cable manufactures 677.73
decoration fine arts **747**
[1] **dept foreign gov't** **354**
US " 353.3
finish carpentry 694.7
organization & service, in
[2] specific fields see subj. —006
Interjections
English etymology 422.9
[3] other lang. —29
syntax 425.9
[3] other lang. —59
Interlacing arches
wall construction 721.262
Interlibrary loans
library administration 025.6
rules **024.68**
Interlocks
motor vehicle gears 629.24448
Interlude, dramatic, *see* Drama
Interludes music form 781.5086
Intermarriages
and progeny hygiene 613.94
of races ethics 173.1
private law 347.6
Intermediate
instruments telegraphy 621.3832
nerve of Wrisberg anat. 611.83175
schools, *see* Schools, intermediate
Interment, *see* Burial
Intermetacarpal joints
anatomy 611.7277
Intermetatarsal joints
anatomy 611.7287
Intermittency effect
phot. sensitometry 771.5345
Intermittent fever
pathology 616.936
public health 614.531
Intermolecular forces
physics 539.6
Internal
affairs administration 351.73
capsule anatomy 611.8137
combustion engines 621.43
motor vehicles 629.2514
improvements
grants in aid 336.18
relations polit. sci. 323
revenue laws pub. fin. 336.271
offices archi. 725.143
walls archi. constr'n 721.291
International
advertizing business 659.113
armies mil. organiza. 355.358
association of workers
syndicalism 335.82
associations
law 341.1
societies, etc., in fields
[2] not specified see subj. —0621
[1] **banking fin. economics** 332.15
code radio 621.38419214
coinage fin. economics 332.43
congresses law 341.1
in other specific fields
[2] see subject —0631
copyright publishing 655.63
credits fin. econ. 332.748
econ. crises production 338.5591
exchange lib. economy 021.852
money 332.45
exhibitions, general 606
express rates
railways 385.132332

Topics in black face type are subdivided. Superior figures refer to the tables following this index

International (cont.)
forest policy agric. 634.92522
hereditary societies 369.21
indus. combinations
production 338.88
institute of agric. 630.621
labor organiza. econ. 331.9
languages philology 408.9
shorthand 653.4089
law congresses 341.063
societies 341.06
jurisprudence 341
library book loans 024.681
ownership of land
political economy 333.122
passenger rates
railways 385.132232
patriotic societies 369.21
planning civic arts 711.2
regulation of labor
economics 331.9
[1] **relations polit. sci. 327**
reservations nat. lands. 719.32
schools education 371.391
socialist bureau
political economy 335.422
trade routes, oceanic
commerce 387.52
treaties, *see* Treaties
working union of socialist
parties polit. econ. 335.423
workingmen's association
socialism 335.421
see also Foreign
Internationalism
political science 321.041
public law 341.1
Internationals
socialism 335.4-.5
syndicalism 335.82
trade unionism 331.886
Internment camps
architecture 725.67
military science 355.23
prisons 365.45
Internodes stem anatomy 581.49524
Interoceanic canals
commerce 386.42
Interolivary lemniscus
anatomy 611.8184
Interossei of foot anat. 611.7389
hand " 611.73779
Interosseous artery, dorsal
anatomy 611.13794
Interplanetary communi-
cation radio 621.384197
Interpolation
astronomy, spheric 522.75
methods calculus 517.6
Interpreters, divine
comparative religion 291.64
Interregnum polit. sci. 323.2
Interrelations
and classification, in
[2] specific fields see subj. —012
between subjects, in
[2] specific fields see subj. —0001
Interrogatives
English etymology 422.9
[3] other lang. —29
syntax 425.9
[3] other lang. —59
Interrupters
radio 621.3841335
receiving syst. 621.3841538
Interruption reckoners
horology 681.1185
Interschool contests
literary education 371.535
school athletics 371.75
Intersecting vaults
arched construction 721.44
Intersections, street
city planning 711.724
Interspinal muscles anat. 611.73171
Interstate
areas regional planning 711.33
commerce
and prison-made goods
sociology 365.65
commission, created
US hist. 973.85
transport 385.06173
law sociology 385.00037
relations US gov't 353.9
Interstellar flights
aeronautics 629.1388
Interstimulation
social psychology 301.15
Intertarsal
ligaments anatomy 611.7285
Intertransversarii anat. 611.73176
Interurban
highways street plan. 711.73
lines vs railways
railroads 385.124
transit city planning 711.7
sociology 388

Intervals, musical 781.22
physics 534.3
physiology 612.858744
psychology 152.28744
Intervention
international law 341.6
military cap. & labor 331.898
public " " " 331.9
Intervertebral joints
anatomy 611.7213
Interviewing
educational methods 371.35
journalism 070.4311
literary methods 029.1
social research 307.2
Interviews labor demand 331.1151
Intestinal
absorption physiology 612.3327
action of bile " 612.3572
digestion " 612.332
fibers textile mfg 677.56
fistulas physiology 612.3311
gases " 612.3317
juice
and digestive secretions 612.3328
physiology 612.331
putrefaction and urine
physiology 612.46664
secretion
pathologic changes of
physiology 612.336
physiology 612.333
Intestine
innervation, large
physiology 612.368
large physiology 612.36
movements, large
physiology 612.367
Intestines
anatomy 611.34
comparative 591.43
and chemic substances
physiology 612.334
sympathetic system
physiology 612.898
morphology physiology 612.335
movements " 612.337
pathology 616.34
physiology 612.33
surgery 617.43
Intimidation
electoral frauds 324.271
labor disputes 331.891
Intolerance, religious, *see* Liberty of conscience
Intonation music 781.22
Intoxicants, *see* Alcohol, Liquors, Stimulants
Intoxication
administrative control 351.761
alcoholic medicine 616.861
see also Alcoholism, Dipsomania
and leucocytes physiol. 612.1126
respiration " 612.226
ethics 178.1
pathologic medicine 616.8931
psychology 132.1931
psychology 132.161
Intrados arch constr'n 721.428
Intradosed arches
architectural constr'n 721.427
Intramercurial planets
astronomy 523.41
Intramolecular respiration
biology 574.128
physiologic botany 581.128
Intransigentes Sp. hist. 946.08
Intraocular pressure
physiology 612.8426
psychology 152.126
Intrapleural pressure
physiology 612.212
Intrapsychic conflict
spiritism 133.93
Intrenchments mil. eng. 623.15
Introit music 783.22
Intronato, Stordito, *pseud.*
Italian essays 854.42
Introspection
psychology 150.182
experimental 150.7252
Introvert type
personality 137.45
Intubation, laryngeal
surgery 617.42
Intuition ethics 171.2
genius 151.123
line palmistry 133.6432
psychology 156
Intuitionalism philosophy 143
Intumescentia anatomy 611.821
Inulaceae botany 583.5542
Inulasis
metabolism, physiologic 612.39631

Inulin and nutrition
  physiology 612.396111
Inundation, zones of
  military defense 355.45
Inundations
  agricultural hindrances 632.17
  forest ecology 634.94724
  hydraulic engineering 627.4
  meteorology 551.57
Invalidity
  insurance, *see* Insurance
    against invalidity
  pensions economics 331.252
Invalids
  care of dom. economy 649.8
  cookery for " " 641.563
  food for hygiene 613.23
  libraries for 027.6626
  public charity **362.6**
Invariants algebra 512.88
Invasion
  and migration polit. sci. 325.13
  law of war 341.3
  silvics 634.94823
  vegetable ecology 581.5242
Invasions, age of
  Italian history 945.06
Invention of printing
  business **655.11**
Inventions building indus. 690.8
  useful arts 608
Inventive talent genius 151.123
Inventors biography **926**
Inventory
  business methods **658.787**
  library closing for 024.45
    shelf dept 025.8
  office administration **651 47**
  in other specific
[2] fields see subject —0838
Inverness co., NS hist. 971.691
  Scot. " 941.21
Inversicatenales
  botany 587.38
  paleobotany 561.738
Inversion
  carbohydrous
    metabolism, physiol. 612.39632
  sexual biology 577.84
    psychology 132.7546
Invertebrate blood, coloring
  matter of physiology 612.1118
Invertebrates
  central nervous syst. of
    physiology **612.829**
Invertebrates (cont.)
  paleozoology **562**
  useful agriculture **636**
  zoology **592**
Inverted arches
  architectural constr'n 721.427
Investigations
  civil service 351.98
  forest policy 634.92512
  legislative discipline 328.366
    procedure 328.3742
  theoretic & exper., view-
    point, in specific fields
[2] see subject —001
Investiture, ecclesiastic
  see Ordination
Investitures, war of
  church history 270.4
Investment
  banking fin. econ. 332.14
  credit
    financial econ. 332.742
    instit. fin. econ. 332.312
  finance economics **332.6**
  instit. architecture 725.24
  land polit. economy **333.33**
  military engineering 623.21
  of capital funds
    business finance 658.152
    savings bank funds
      financial economics 332.25
  planting forestation 634.956582
  securities fin. econ. 332.63
  siege warfare 355.44
  trusts fin. econ. 332.14
Investments
  by gov't public fin. 336.15
  forest production 634.928423
  income taxation 336.244
  library finance 025.111
Invisible
  image phot. chemistry 771.535
  ray phot. fine arts 778.34
Invitations engraving 769.5
Invocation pub. worship 264.1
Invoices
  accounting 657
  bus. receiving methods 658.773
Involucres leaf morphol. 581.4976
Involution
  algebra 512.7
  arithmetic 511.7
  geometry 513.53
  melancholia medicine 616.8957
    psychology 132.1957

Inyanga history 968.9365
Inyo co., Calif. history 979.487
Iodelle, Etienne Fr. drama 842.34
Iodid gelatin processes
photography 772.15
Iodin
chemistry 546.15
compounds mineralogy 549.4
Iona grape viticulture 634.84709
Ionia
Asia Minor history 956.2
ancient 939.23
county, Mich history 977.454
Ionic Greek language 487.923
literature 889
philosophers 182.1
tubes radio 621.384132
Ionization
chemistry 541.39
electricity 537.5
of gases electricity 537.53
radio transmission 621.3841154
tubes 621.38413218
Ions physiology 612.0144624
theor. chemistry 541.2
Iosco co., Mich history 977.474
Iowa
county, Ia history 977.765
Wis " 977.578
state admission US hist. 973.61
history **977.7**
see note under Virginia
Ipecac (Rubiaceae) emetics 615.731
Ipolela history 968.45
Ipomoea batatas (Convolvulaceae) field crops 633.492
garden " 635.22
Iran history 955
Iranghi " 967.87
Iranian
architectural styles
ancient **722.52**
Mohammedan **723.33**
languages **491.5**
religions comp. theol. **299.15**
see also Persian
Iraq history 956.7
see also Mesopotamia
Iredell co., NC history 975.679
Ireland, W H, forgeries
Shakespeariana 822.33
Ireland history **941.5**
Iriarte y Oropesa, Tomás de
Spanish poetry 861.45
Iridaceae botany 584.24
Iridales " **584.2**
Iridescent
glass fine arts 748.4
heliochromy phot. 778.64
Iridium chemistry 546.93
processes phot. 772.36
Iringa history 967.86
Iris
anatomy 611.8421
and oculomotor nerve
physiology 612.81931
sympathetic system
physiology 612.896
chemicals action on
physiology 612.8424
(Iridaceae) field crops 633.815
light effect on physiol. 612.8423
ophthalmology 617.72
physiology 612.842
psychology 152.12
Irish
bulls English lit. **827**
dialect English lang. 427.9
Free State, 1922–37 hist. 941.591
home rule party
English politics 329.942
[4] **language** **491.62**
nationalist party
English politics 329.942
philosophers **192**
system prisons 365.26
Iron
age archeology 571.4
man, psychology of 136.414
and chromium groups
chemistry **546.7**
concrete platforms
archi. foundations 721.164
nutrition physiol. 612.39245
silver processes
photography 772.16
assimilation botany 581.133545
building industry 691.7
chemistry 546.72
cloth manufactures 677.53
coinage metals 332.418
columnar construction 721.35
county, Mich history 977.4975
Mo " 977.888
Wis " 977.522
cross mil. science 355.134
magnetic
radio materials 621.3841793017
mfg factories archi. 725.434

Iron (cont.)
metallurgy 669.1
mineralogy 549.2
mining 622.341
mot. veh. materials 629.23223
Mts, Tenn. description 917.68984
ores geol., economic 553.3
pharmacology 615.272
piles archi. foundations 721.147
processes
dusting-on phot. 773.2
photography **772.2**
pigmented photography 773.15
production economics 338.273
salts
sewage precipitation 628.346
ships shipbuilding 623.84
state (Mo) history **977.8**
strength of eng. 620.17
structures
archi. construction **721.9**
sulfate of fertilizers **631.825**
weeding farming 631.3154
works architecture 725.4321
Iron-bearing waters
geology, economic 553.73
Ironclads shipbuilding 623.9
Ironing laundry business **648.4**
Ironton, O history 977.1881
Ironweed (Vernoniaceae)
botany 583.5545
Ironwood (Betulaceae)
botany 583.978
Ironwork archi. dec. 729.5987
fine arts **739.4**
manufactures 672
Irony, *see* Humor and satire
Iroquois co., Ill hist. 977.364
Irregular roofs
archi. construction 721.593
Irrigating
agriculture 631.73
machinery agriculture 631.78
Irrigation
agriculture **631.7**
and plant succession
botany 581.524347
canal engineering 626.8
farming agric. meth. 631.587
forest engineering 634.9363
nursery 634.95645
rights land economics 333.91
sewage disposal **628.36**
Irritability
biology **574.18**
cellular physiology 612.01431
muscular " **612.7416**
of nerves **612.816**
of nerves physiology **612.816**
physiologic botany **581.18**
Irritants
external therapeutics **615.771**
toxicology **615.91**
Irritations
plant movements 581.1831
spinal pathology 616.844
Irving, Washington
American wit 817.24
Irvingites
Catholic apostolic ch. 289.9
Irwin co., Ga history 975.8855
Isaac 1 Byzant. history 949.503
Isabel 1 Sp. history 946.03
2 " " 946.07
pseud. Amer. drama 812.31
Isabella co., Mich. hist. 977.451
grape vitic. 634.84709
Isaeus Greek oratory 885.3
Isaiah
Ascension of
pseudepigrapha 229.913
Bible 224.1
Messianic prophecy of
Christology 232.126
Isanti co., Minn history 977.664
Ischiadicus anatomy **611.8358**
Ischium " 611.71812
Ise history 952.1823
Isère " 944.99
Ishikari " **952.45**
Ishikawa " **952.155**
Ishpeming, Mich history 977.496
Ishu (Iga) history 952.1821
Ishu (Iki) " 952.213
Isla, J F de Spanish wit 867.42
Islam Mohammedanism 297
Island
cities civic arts 711.421
county, Wash history 979.775
number 10, Ky
US Civ. war 973.752
of Reil anatomy 611.81319
parks landscape art 712.53
reserves nat. lands. 719.342
Islands
isolated, languages of 499.5
landscape art 714.25

Islands (cont.)
of Langerhans anatomy 611.377
physiography 551.42
see also qualifying or specific terms
Isle
of Man history 942.89
Wight
co., Eng. history 942.28
Va " 975.554
disease apic. 638.1532
Royale co., Mich hist. 977.4997
Islet co., Que " 971.474
Islington, London " 942.14
Ismailia " 962.15
Isobryales botany 588.2153
Isochromatic phot.
fine arts 778.62
Isochrysidaceae botany 589.974554
Isocrates Greek oratory 885.4
Isodia Christology 232.928
Isoetales botany 587.1
Isogametes
vegetable embryology 581.3262
Isogonic lines magnetism 538.7
Isograph writing meth. 652
Isokontae botany 589.47
Isomerism chemistry 541.7
Isomorphism
crystallography 548.3
Isonzo River
European war, 1915 940.4248
1916 940.4274
Isonzo-Caporetto campaign
European war 940.4322–4
air raids, 1917 940.447
Isopoda zoology 595.372
Isostasy geology 551.1
Isothermal lines
meteorology 551.52
Isotonia of
blood cryoscopy 612.11817
red corpuscles physiol. 612.11117
Isotypes photography 777.3
Israelites, *see* Jews
Israella grape vitic. 634.84709
Issaquena co., Miss. hist. 976.241
Issues therapeutics 615.812
Istanbul history 949.61
see also Constantinople
Isthmian canals
American commerce 386.44
Isthmus rhombencephali
anatomy 611.816
Istle (Amaryllidaceae)
fiber crops 633.5772
Istria hist., ancient 937.3
of Austria 943.68
Italy 945.3
Istro-Rumanian language 459.7
literature 859
Itacolumite petrology 552.45
Itala Bible 220.47
Italian East Africa hist. 963
" **language 450**
philosophers 195
republics hist. 945.04
Somaliland " 967.73
Italianizing apiculture 638.1453
Italic languages 479
philisophers 182.2
Italy
campaigns, 1915 Eur. w. 940.4248
1916 " " 940.4274
1917 " " 940.4321–4
1918 " " 940.4371–3
history 945
ancient 937
Itasca co., Minn history 977.678
Itawamba co., Miss. " 976.298
Itch parasites pathology 616.968
Itching pathology 616.5
physiology 612.883
psychology 152.5733
Iteaceae botany 583.381
Iter anatomy 611.8156
Ithaca, Greece hist., anc. 938.3
Itinerant companies
cookery for dom. econ. 641.577
Itoku Jap. history 952.01222
Iturbide 1 Mex. history 972.04
Ituri River " 967.55
Ivan 3 Russian " 947.04
4 " " 947.04
5 " " 947.04
Ives
grape viticulture 634.84709
process
color photography 778.65
half-tone " 777.03
Ivindo history 967.13
Iviza " 946.7
Ivory
and gold sculpture 731.27
arts & crafts 745.55
carving sculpture 736.62

Ivory (cont.)
Coast history 966.68
products manufactures 679
surfaces painting 751.225
Ivorytype
process phot. mounting 770.2844
Ivy (Araliaceae)
floriculture 635.97423
landscape art 715.4723491
see also Virginia creeper
Iwaki history 952.1185
Iwami " 952.1966
Iwashiro " 952.1181
Iwate " 952.113
Ixodidae (Acarina) zool. 595.42
Ixonanthoideae (Linaceae)
botany 583.211
Ixopo history 968.45
Ixtle (Amaryllidaceae)
fiber crops 633.5772
Iyo history 952.38
Iyo-no-futa-na-no-shima
history 952.3
Izard co., Ark history 976.727
Neb " 978.2535
Izmir history 956.2
Iznik " 956.1
Izu province history 952.1665
Izumi history 952.1884
Izumo " 952.1961
Izu-no-shichito history 952.1357

J

Jabbalpur hemp (Fabaceae)
field crops 633.562
Jacamar birds 598.72
Jacaranda (Bignoniaceae)
botany 583.84
Jack
arches archi. constr'n 721.421
Fork Mts, Okla. descr. 917.6665
shaft drive mot. veh. 629.2452
Jackal (Canidae) mammal. 599.74442
Jackass (Equidae)
domestic animals 636.182
Jacketed and hooped guns
ordnance 623.42161–63
Jacketing ordnance 623.4234
steam eng. 621.1011
Jackets dom. economy 646.45
Jack-hunting sports 799.25
Jack-in-a-box (Hernandiaceae) botany 583.9312
Jack-in-the-pulpit (Araceae) botany 584.65
Jacks, lifting
mechanical engineering 621.869
motor vehicle equip. 629.2723
Jackson, Andrew, pres.
US history 973.56
Jackson
city, Miss. history 976.2511
Tenn " 976.8271
county, Ala " 976.195
Ark " 976.797
Colo " 978.866
Fla " 975.993
Jackson (cont.)
county (cont.)
Ga history 975.8145
Ill " 977.3994
Ind " 977.223
Ia " 977.764
Kan " 978.1335
Ky " 976.918
Mich " 977.428
Minn " 977.6235
Miss. " 976.212
Mo " **977.841**
Neb " 978.2286
NC " 975.695
O " 977.185
Okla " 976.645
Ore " **979.527**
Tenn " 976.851
WVa " 975.431
Wis " 977.551
parish, La " 976.392
Prairie belt, Miss. hist. **976.256**
purchase, Ky history **976.99**
Jacksonville, Fla " 975.9121
Ill " 977.346
Jackstones games 796.23
Jackstraws " 793.75
Jacob, Messianic prophecy of
Christology 232.123
Jacobean architecture **724.142061**
furn. f. arts 749.222
Jacobin pigeons (Columbae)
agriculture 636.59625

Jacobins Dominicans 271.2
French history 944.04
polit. ass'ns 363
Jacobite
[1] church 281.63
rebellion
1717 English history 942.071
1745 " " 942.072
Jacobites Eng. politics 329.942
Jacobsdal
Orange Free State hist. 968.52
Transvaal history 968.28
Jacobsen, J P Dan. fict. 839.8136
Jacob's-ladder (Polemoniaceae) botany 583.7611
Jaconet cotton mfg 677.2164
Jacotot's system educ. 371.45
Jacquard looms
cards for mfg 677.8
textile equipment 677.02854
see also special fibers
Jacquerie Fr. history 944.025
Jacques Cartier co., Que
history 971.4285
Jacquet games 795.1
Jacquez grape vitic. 634.8544
Amer. 634.8452
Jade carving 736.2
mineralogy 549.61
Jaeger
grape viticulture 634.845509
(Longipennes) ornithol. 598.42
Jaffétypes photography 776.7
Jagannath comp. relig. 294.5
[4] **Jagataic language** 494.322
Jahad European war 940.315297
Jail breaks sociology 365.643
Rocks, Neb. descr. 917.8295
Jail-fever, *see* Typhus fever
Jails architecture 725.62
sociology 365.33
see also Prisons
Jaina architectural styles 722.414
Jainism Hindu sect 294.4
Jakushu history 952.1576
Jalisco " 972.3
Jam cookery 641.8
Jamaica
apple (Anonaceae)
fruitculture 634.413
history 972.92
Jambs archi. constr'n 721.862
James, St, epistle of 227.91
James 1 Eng. history 942.061
US " 973.21
version Bible 220.52
1–5 Scot. history 941.04
1, of Aragon
Catalan lit. 849.981
2 Eng. history 942.067
US " 973.24
Henry Amer. fict. 813.46
City co., Va hist. 975.5425
county, Tenn " 976.882
grape viticulture 634.848109
space perception
theory psychol. 152.75201633
James-Lange theory of
emotions psychology 157.016632
Jamestown, Va
history 975.5425
settlement US hist. 973.21
Jamming
radio interference 621.3841547
Jamrosade (Myrtaceae)
fruitculture 634.422
Jan 1 van Brabant
Dutch poetry 839.31113
Jan van Boendale
Dutch literature 839.3181
Janesville
city, Wis history 977.587
grape viticulture 634.84709
Jang history 967.12
Janin, J G Fr. essays 844.76
Janitor service
labor economics 331.124
domestic economy 647.25
library " 023.79
office " 651.3747
public buildings 647.96
school " 371.62
Janitor's department
library administration 025.9
YMCA 267.359
[1] **Jansenism Cath. schisms** 284.84
heresies 273.7
Jansenistic doctrine of
grace soteriology 234.112
Jansenville history 968.753
Japan history 952
Japan
chemic technology 667.8
clover (Fabaceae)
field crops 633.364
walnut (Juglandaceae)
nuciculture 634.513

Japanese
  architectural styles 722.12
  bantams (Gallinae)
    agriculture 636.58715
  chestnut (Fagaceae)
    nuciculture 634.533
  color printing engr. 761.283
    prints " 769.61283
[1] language 495.6
  persimmon (Ebenaceae)
    fruitculture 634.451
  philosophers 181.1
  plum (Rosaceae) fruitc. 634.16
  raisin tree (Rhamnaceae)
    fruitculture 634.661
  relig. comp. theology 299.56
Japanning painting trade 698.3
Jargon, *see* Dialects, Slang
Jars pottery 738.38
    voltaic cells 621.3521
Jasher, book of
  pseudepigrapha 229.915
Jasmin, Jacques
  Provençal poetry 849.143
Jasmin
  (Loganiaceae) botany 583.74
  (Oleaceae) field crops 633.811
Jasper co., Ga history 975.858
    Ill " 977.374
    Ind " 977.2977
    Ia " 977.759
    Miss. " 976.2575
    Mo " **977.872**
    SC " 975.798
Jassidae entomology 595.7535
Jaumave istle (Amaryllidaceae) fiber crops 633.5772
Jaundice pathology 616.36
    physiology 612.35765
Java
  and Constitution, ships
    War of 1812 973.5251
  fowls (Gallinae) agric. 636.5814
  history 992.2
Javan architectural styles 722.46
[1] Javanese language 499.222
[1] Java-Sundanese language 499.225
Javelin throwing sports 796.38
Jaw anatomy, regional 611.92
    joint anatomy 611.724
    lower " 611.7164
    muscles, lower " 611.734
    pathology 616.71–.72
    surgery 617.52
    upper anatomy 611.7161
Jay co., Ind history 977.267
Jay's treaty, 1794
  international law 341.273
  US history 973.43
Jealousy ethics 179.8
Jean I French history 944.024
    2 " " 944.025
    de Meun Fr. poetry 841.18
    Tuim " fiction 843.22
Jeanne d'Arc " history 944.026
Jebel Druze history 956.9
Jeddo history 952.1351
Jeff Davis co., Ga hist. 975.8827
Jefferson, Thomas, pres.
  US history 973.46
Jefferson
  City, Mo history 977.8551
  county, Ala " **976.178**
    Ark " **976.779**
    Colo " 978.884
    Fla " 975.987
    Ga " 975.866
    Ida " 979.658
    Ill " 977.3793
    Ind " 977.213
    Ia " 977.794
    Kan " 978.137
    Ky " **976.944**
    Miss. " 976.228
    Mo " 977.867
    Neb " 978.233
    NY " **974.757**
    O " **977.169**
    Okla " 976.652
    Ore " 979.585
    Pa " 974.862
    Tenn " 976.8924
    Wash " 979.798
    WVa " 975.499
    Wis " 977.585
  grape viticulture 634.84709
  Mt, Ore description 917.9535
  parish, La. history 976.338
  state (Colo) " **978.8**
Jefferson Davis
  county, Miss. history 976.254
  parish, La. " 976.355
Jeffersonville, Ind hist. 977.2186
Jeffrey, Francis
  English essays 824.73
Jehol, China history 951.78
Jehovah doc. theology 231
Jejunum anatomy 611.343
Jelly
  cookery 641.8

Jelly (cont.)
fish (Ctenophora) zool. 593.8
(Discophora) " 593.77
fungi (Tremellineae) bot. 589.2232
Jenkins co., Ga hist. 975.869
Jennet (Equidae)
ass dom. animals 636.182
hinny " " 636.183
oriental horse
domestic animal 636.11
Jennings co., Ind hist. 977.217
Jenny, spinning
textile equipment 677.02852
see also special fibers
Jeremiah
Bible 224.2
epistle of Apocrypha 229.5
Messianic prophecy of
Christology 232.128
Jericho, rose of (Inulaceae) botany 583.5542
Jerk contraction, muscular
physiology 612.74112
Jerking food preservation
chemic technology 664.9
domestic economy 641.49
Jerkinhead roofs
architectural constr'n 721.584
Jerome co., Ida history 979.635
Jerrold, D W English wit 827.81
Jersey
Blue fowls (Gallinae)
agriculture 636.5812
state (NJ) history 974.9
cattle (Bovidae)
Eng. dom. anim. 636.2243
Que " " 636.2832
City, NJ history 974.927
see also Paulus Hook
county, Ill history 977.3855
island, Eng. " 942.34
prison ship Amer. revol. 973.3711
swine (Suidae) dom. anim. 636.483
Jerusalem
artichoke (Helianthaceae)
field crops 633.494
garden " 635.24
city
capture of 6th crusade 940.186
European war 940.4331
history 956.9
corn (Andropogoneae)
field crops 633.178
Jesirah, book of
pseudepigrapha 229.915
Jessamin, *see* Jasmin
Jessamine co., Ky hist. 976.948
Jessica grape viticulture 634.84709
Jesters recreation 791.1
social customs 394.2
Jests
[2] in specific fields, see subj. —0883
see also Humor and satire
Jesuit
missions
in East ch. hist. 270.6
religion 266.2
school system educ. 377.35
Jesuits
monastic orders 271.5
tea (Ilicaceae)
field crops 633.77
Jesus
Christ
Christology 232
divinity of
Christology 232.8
denied Arianism 273.4
life of Christol. 232.9
Sayings of
pseudepigrapha 229.951
Society of
monastic orders 271.5
son of Sirach, Wisdom of
Apocrypha 229.4
Jet
carving 736.2
geology, economic 553.22
mining 622.332
pumps prac. chemistry 542.9
relay radio recorders 621.3841365
Jets mech. engineering 621.69
Jettatura sorcery 133.42
Jetties city planning 711.764
hydraulic eng. 627.6
Jettons numismatics 737.3
Jeune célibataire, *pseud.*
French fiction 843.73
Jeux floraux
Provençal poetry 849.131
Jevons tabular standard
money 332.56
Jew plum (Anacardiaceae)
fruitculture 634.442
Jewel
grape viticulture 634.84709
weed (Balsaminaceae)
botany 583.226

Jewell co., Kan history 978.122
Jewelry cost. ornaments 391.7
dom. economy 646.48
factories archi. 725.434
fine arts 739.27
metal mfg 671
Jewels clockwork 681.1125
Jewish
antiquities 913.33
apocalypses
pseudepigrapha 229.913
architectural styles 722.33
calendar chronology 529.3
cookery dom. economy 641.567
[4] **language, Hebrew** 492.4
[4] **Yiddish** 492.49
lit., history of 809.8924
polygot coll'ns 808.898924
philosophers 181.3
religion Judaism 296
sabbath theology 263.1
songs 784.7
temples architecture 726.3
Jews
apologetics against
doctrinal theology 239.2
[1] **biography** 922.96
European war 940.315296
history, ancient 933
modern 296
Jews-ear (Auriculariineae)
botany 589.2231
Jib-doors archi. constr'n 721.835
Jibuti history 967.71
Jig dance recreation 793.3
Jigging ore dressing 622.75
Jigs machine tools 621.9
Jikata history 952.1
Jimbling (Euphorbiaceae)
fruitculture 634.666
Jimmu Japancse history 952.0121
Jimson-weed (Solanaceae)
botany 583.79
Jingu, Empress Jap. hist. 952.0127
Jipijapa plant (Cyclanthaceae) fiber crops 633.584
Jitneys
motor vehicles 629.2223
operation 629.2833
Jito, Empress Jap. hist. 952.0148
Jo Daviess co., Ill " 977.334
Joachim Christology 232.933
Joan of Arc Fr. history 944.026
Job
Bible 223.1
Testament of
pseudepigrapha 229.914
Job
analysis shop manage. 658.511
assigning indus. manage. 658.565
work printing 655.25
wages 331.23
Jobbers, stock fin. econ. 332.62
Jobbing sales methods 658.86
Jockeys horse racing 798.4
Jodelle, Etienne Fr. drama 842.34
Joel Bible 224.7
Joe-pye weed (Eupatoriaceae) botany 583.5544
Johanna island history 969.41
Johannes Climacus, *pseud.*
Danish essays 839.81462
Johannesburg history 968.22
Johansson, Lars
Swedish poetry 839.7132
John
King Eng. history 942.033
Saint, epistles of 227.94–.96
gospel of 226.5
Revelation of 228
see also Saint John
Saint, of Jerusalem
Knights of heraldry 929.711
the Baptist Christology 232.94
see also Giovanni, Ivan, Jean, Juan
John Day River valley, Ore
history 979.56
Gray's Lake, Ida
description 917.9653
Johnson
Andrew, pres. US hist. 973.81
Samuel English essays 824.63
Johnson City, Tenn hist. 976.8971
county, Ark " 976.733
Ga " 975.8676
Ill " 977.3996
Ind " 977.2515
Ia " 977.7655
Kan " 978.1675
Ky " 976.9245
Mo " 977.8455
Neb " 978.2276
Tenn " 976.899
Johnston co., Neb " 978.2327
NC " 975.641
Okla " 976.668

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Joinery carpentry 694.6
shipbuilding 623.84
Joint
conferences indus. rela. 331.156
grass (Paniceae)
field crops 633.266
ownership & control
commerce 380.164
senses psychology 152.6735
stock
banks fin. economics 332.12
companies commer. law 347.7
Jointed worms (Annelida)
zoology 595.14
Joint-firs (Gnetales) bot. 585.1
Joints
amphiarthrodial anat. 611.7294
anatomy 611.72
see also Cartilages, Ligaments
carpentry 694.2
diarthrodial anatomy 611.7296
geology 551.84
injuries to surgery 617.47
mechanical engineering 621.88
pathology 616.72
physiology 612.75
plumbing 696.4–.6
riveted
mechanical fastenings 621.884
strength of eng. 620.11287
sensations of physiol. 612.885
psychol. 152.67353
steam piping 621.1857
synarthrodial anatomy 611.7292
track railway eng. 625.15
universal mech. eng. 621.825
mot. veh. 629.2456
Jokers social customs 394.2
Jokes, in specific fields
[2] see subject —0883
see also Humor and satire
Joliet, Ill history 977.325
Joliette co., Que " 971.442
Jolin, J C Swed. drama 839.7264
Jolof history 966.35
Joly process photography 778.66
Jolyot de Crébillon
C P French fiction 843.55
Prosper " drama 842.52
Jomei Japanese history 952.0138
Jonah Bible 224.92
Jones co., Ala history 976.127
Ga " 975.8567
Ia " 977.763
Miss. " 976.255
Jones co. (cont.)
Neb history 978.233
NC " 975.621
Valley, Ala " 976.178
Jongleurs French poetry 841.09
Jonson, Ben Eng. drama 822.34
Joplin, Mo history 977.8721
Jordan River " 956.9
Joseph, Saint
Christology 232.932
Sisters of
religious orders 271.976
Joseph 1 Ger. history 943.051
2 " " 943.059
Josephine co., Ore history 979.525
Josh Bell co., Ky " 976.912
Joshu (Hitachi) " 952.131
(Kozuke) " 952.1385
(Yamashiro) " 952.1911
Joshua Bible 222.2
Jos-Pé process phot. 773.3
Joubert, Joseph Fr. essays 844.62
Jougla process phot. 778.66
Journalism 070
biases 070.15
college education 378.05
courses
curriculum 375.07
in colleges
journalism 070.7
news channels in 070.4311
privacy of 070.13
qualifications for 070.7
responsibility of 070.11
rhetoric 808.4
sensational 070.16
standards 070.11
see also Newspapers, Press
Journalists 070.69
biography 920.5
wages newspapers 070.344
Journals
journalism 070.48
magazines, etc., in specific
[2] fields see subject —05
mechanical engineering 621.821
Journeyman's service
labor economics 331.86
Journeys round the world 910.4
Jousts recreation 791.7
social customs 394.7
Jovellanos, G M de Sp. lit. 868.42
Joy stick
aircraft construction 629.13433
Juan de Fuca Strait, Wash
boundary decision, 1872
US history 973.82
history 979.799

Juan de la Cruz, San
Spanish literature 868.34
Jubaland, Italian hist. 967.77
province " 967.68
Jubbulpore hemp (Fabaceae)
field crops 633.562
Jubes eccles. screens 729.962
Jubilees mil. life 355.16
Jubuloideae botany 588.311
Judaism comp. religion 296
vs Christianity
apologetics 239.2
Judas Christology 232.961
Judd, Sylvester
American fiction 813.34
Jude, epistle of 227.97
Judea history, ancient 933
Judges 347.9069
[1] **biography** **923.4**
book of Bible 222.3
legal procedure 347.97
Judgment
direct psychology
of intuition 156.23
last Christology 232.7
eschatology 236.9
psychology **153.5**
Judicial
astrology occultism **133.5**
chemistry law 340.6
combat legal antiq. 340.3
control civil service **351.94**
corps univ. & col. 378.113
ordeal legal antiq. 340.3
Judiciary
[1] **biography** **923.4**
elective legal procedure 347.97
private law **347.9**
Judith Apocrypha 229.2
Juggernaut comp. relig. 294.5
Jugglery recreation 791.1
Juglandales botany **583.973**
Jugs pottery 738.38
Jugular
ganglion
glossopharyngeal anat. 611.8199
vagus " 611.89191
glands anatomy 611.4637
veins " **611.1451-3**
Jugurthan war Rom. hist. 937.05
Jujitsu athletics 796.8
Jujube
(Rhamnaceae) fruitc. 634.662
silkworms (Bombycina)
textile mfg 677.423
Julian calendar chronol. 529.42
Julianiales botany 583.9732
July 4, *see* Fourth of July
Jumpers, Scotch (Gallinae)
agriculture 636.528
Jumping
athletics 796.43
hygiene 613.72
insects (Saltatoria)
entomology **595.726**
Juncaceae botany 584.45
Juncaginaceae " 584.744
Junction stations
architecture 725.313
railroads 385.34
Junctions
sewerage engineering 628.251
track railroad eng. 625.16
June beetle (Lamellicornia)
entomology 595.764
Juneau
city, Alaska history 979.8
county, Wis " 977.555
Juneberry (Rosaceae)
fruitculture 634.741
Jung school psychoanal. 131.3464
Jungermanniales botany **588.31**
Juniata co., Pa history 974.847
Junior
church religion 261
colleges education 378.1543
highschools
2dary education 373.236
public 379.171
republics criminology 364.722
school gov't 371.595
Juniperaceae botany 585.216
Junius. *pseud.*, letters by
English wit 827.64
Junna Japanese history 952.01614
Junnin " " 952.0155
Juno astronomy 523.44
occult astrology 133.532
Roman mythology 292
Juntoku Jap. history 952.02121
Jupiter
astronomy 523.45
mount palmistry 133.642

Jupiter (cont.)
occult astrology 133.532
ring of palmistry 133.6432
Roman mythology 292
Jura history 944.47
Jurassic period geology 551.76
Juridic powers legis. 328.251
Jurisdiction
legal procedure 347.98
over work indus. rela. 331.16
school discipline 371.54
suffrage 324.243
Jurisprudence 340
medical sociology 340.6
Juristic person
city as local gov't 352.003
private law 347.1
Jurists, *see* Lawyers
Jury
decisions
math. probabilities 519.3
trial law 340.4
Just noticeable differences
method psychophysics 152.82322
Justesen, Just, *pseud.*
Danish drama 839.81241
Justice
[1] **dept foreign gov't 354**
US " 353.5
divine theodicy 231.8
ethics 179.9
political science 323.42
Justices
courts architecture 725.15
of the peace jurispr. 347.96
Justification doc. theol. 234.7
Justinian laws jurispr. 349.372
Justs recreation 791.7
social customs 394.7
Jute
binlipatam (Malvaceae)
field crops 633.563
China- (Malvaceae)
field crops 633.561
cordage manufactures 677.71
in clothing dom. econ. 646.186
(Tiliaceae)
field crops 633.54
textile manufactures 677.13
Jutland
cattle (Bovidae)
domestic animals 636.2357
naval battle Eur. w. 940.456
swine (Suidae)
domestic animals 636.434
Juvenalis, D J Lat. wit 877.7
Juvenile
colonies criminology 364.722
courts " 364.52
dances music form 781.50854
delinquency crim. law 343
criminol. 364.36
education 371.93
psychol. 136.763
delinquents prisons 364.42
literature lib. econ. 028.5
mortality demography 312.2
pub. health 614.133
reformatories archi. 725.64
criminol. 364.722

K

Kaarta history 966.22
Kabardian sheep
(Bovidae) dom. anim. 636.385
Kabba history 966.96
Kabinda " 967.31
Kabul " 958.1
Kabyle language 493.3
Kadarka grape vitic. 634.85439
Kadikoi history 956.1
Kaffraria " 968.6
Kafir (Andropogoneae)
field crops 633.177
dialects philology 496.3
Kafue River history 968.955
Kaga " 952.1555
Kagawa history 952.36
Kagi " 952.975
Kagoshima " 952.29
Kagu (Alectorides)
ornithology 598.32
Kai history 952.165
Kaifeng, China " 951.182
Kaikwa Japanese " 952.01227
Kairin therapeutics 615.75
Kaiser German gov't 354.43033
Kaiserwerth deaconesses
religious orders 271.99
Kaka (Psittacidae)
ornithology 598.71
Kaki (Ebenaceae) fruitc. 634.451
Kalahari desert history 968.19
Kalamazoo co., Mich " 977.417
Kalanga " 968.653

Kale
(Brassicaceae)
garden crops 635.346
sea-
beets (Chenopodiaceae)
garden grcens 635.42
(Brassicaceae)
garden crops 635.33
Kaleidoramas photography 778.52
Kaleidoscope optics 535.86
Kalgan, China history 951.77
Kalians manufactures 679
Kalifs Mohammedanism 297
Kalkaska co., Mich hist. 977.465
Kallitype processes phot. 772.16
[3] Kalmuck language 494.22
sheep (Bovidae)
domestic animals 636.385
Kalmuckism psychol. 132.24323
Kalmucks history 950
Kamakura
period Japanese hist. 952.021
Kama's country " 968.14
[4] Kamasin language 494.422
Kamba history 967.37
Kamboja " 959.6
Kamchatka " 957
Kamerun
British North " 966.98
South " 966.94
European war, 1914 940.4237
1915 940.4268
1916 940.4298
history 967.11
Kames, H H Eng. essays 824.62
Kameyama Japanese hist. 952.02125
Kamigata " 952.1912
Kamikawa " 952.491
Kammographs photography 778.551
Kamouraska co., Que hist. 971.475
Kanabec co., Minn " 977.663
Kanagawa " 952.133
[4] Kanarese language 494.814
Kanawha
county, WVa history 975.437
valley
Little, WVa " 975.42
WVa " 975.43
Kandahar " 958.2
Kandiyohi co., Minn " 977.648
Kane co., Ill " 977.323
Kanem " 967.46
Kangaroo hair
textile manufactures 677.38
Kang-hsi Chinese hist. 951.032
Kangting, China " 951.37
Kaniksu nat'l forest
description 917.9721
Idaho description 917.9696
Kankakee co., Ill hist. 977.363
Kankan " 966.55
[4] Kannada language 494.814
Kano history 966.97
Kanoff hemp (Malvaccae)
field crops 633.563
Kanptulicon manufactures 677.68
Kansas
City, Kan history 978.1391
Mo " 977.841
state
admission US hist. 973.68
history 978.1
see note under Virginia
Kansas-Nebraska bill
1854 US history 973.66
Kansu, China history 951.45
Kant, Immanuel philos. 193.2
Kantian space perception
theory psychology 152.752016324
Kantism & neo-Kantism
philosophic systems 142
Kanto history 952.13
Kaoko-land " 968.87
Kapak card games 795.41
Kapok (Bombacaceae)
cotton manufactures 677.23
Kara Amid history 956.6
Karafuto " 952.6
Karakul sheep (Bovidae)
domestic animals 636.385
Karamanian sheep (Bovidae)
domestic animals 636.385
Karamoja history 967.615
Karbo (Bovidae) dom. anim. 636.2932
[4] Karêlian language 494.542
Karene history 966.44
Karenko " 952.92
Karibib " 968.857
Karin, *see* Erzurum
Kariokenesis
biology 576.3623
vegetable cytology 581.87623
Karl 2 German history 943.021
3 " " 943.021
4 " " 943.026
5 " " 943.031
Netherl. " 949.202
Spanish " 946.04
6 German " 943.052
7 " " 943.054
14 Scan. " 948.07

Karlsefne, Thorfinn
American history 973.13
Karnak history 962.33
Karoub (Caesalpiniaceae)
fruitculture 634.462
Karpathian, *see* Carpathian
Kars European war, 1914 940.4226
1918 940.4374
Kasai
Japan history 952.46
River, Africa " 967.52
Kasanga " 967.89
Kasempa " 968.956
Kashger, China " 951.6
Kashmir " 954.6
see also Cashmere
Kashu (Kaga) history 952.1555
(Kawachi) " 952.1881
Kasongo " 967.56
Kaspar von der Rohn
German poetry 831.35
Kassala history 962.9
Kastamuni " 956.3
Katanga province " **967.58**
Kataphotography f. arts 778.12
Katatonia medicine 616.89823
psychology 132.19823
Katydid (Locustidae)
entomology 595.728
Kaunas European war 940.4254
history 947.5
Kavalla European war 940.4285
Kavirondo history 967.62
Kawachi " 952.1881
Kay co., Okla " 976.624
Kazusa " 952.1325
Kearny
Philip, in NM US hist. 973.6231
county, Kan " 978.1425
Neb " 978.2394
Kearsarge and Alabama
ships operations, 1864
US Civil war 973.754
Keats, John Eng. poet. 821.78
Keeche Hills, Okla descr. 917.6641
Keel arches
architectural constr'n 721.422
Keeley cure pathology 616.861
Keeling islands history 969.84
Keels shipbuilding 623.84
Keeps tower architecture 725.976
Keetmanshoop Eur. w. 940.4268
history 968.833
Keewatin Terr. " 971.26
Keith co., Neb " 978.289
process phot. 772.12
Keijo, Korea history 951.95
Keiki Japanese " 952.02532
Keiko " " 952.0125
Keitai " " 952.01353
Kellgren, J H Swed. poet. 839.7152
Kelpies folklore 398.4
Kelps (Ectocarpales) bot. 589.457
Keltic, etc.
see Celtic, etc.
Kemper co., Miss. hist. 976.268
Kempf school psychoanal. 131.3466
Kempis, Thomas à theol. 242.1
Kendall co., Ill hist. 977.326
Kenedugu " 966.23
Kenhardt " 968.747
Kennebec co., Me " 974.16
Kennedy, J P Amer. fict. 813.32
Kennelly-Heaviside layer
radio transmission 621.3841154
Kennelry agriculture **636.7**
Kennels architecture 728.946
Kennett process phot. 772.15
Keno games 795.3
Kenosha co., Wis hist. **977.598**
Kenotrons radio tubes **621.38413212**
Kensington
grape viticulture 634.84909
London history 942.13
Kenso Japanese " 952.0134
Kent
county, Del " **975.14**
Eng. " 942.23
Md " 975.236
Mich " **977.455**
NB " 971.522
Ont " 971.333
RI " 974.54
fowls (Gallinae) agric. 636.523
sheep (Bovidae) dom. anim. 636.3215
Kentani history 968.673
Kenton co., Ky " **976.935**
Kentucky
coffee tree (Cassiaceae)
botany 583.323
mountains history **976.91**
Ridge, Ky " 976.9145
River " **976.93**
state
admission US hist. 973.41
history **976.9**
see note under Virginia
turkey, red (Gallinae)
agriculture 636.5928
Kenya
colony & protectorate **976.6**
province history 967.64

Keokuk, city, Ia history 977.7991
co., Ia " 977.791
Kepler's problem astron. 521.37
Keramics, *see* Ceramics
Keratotomy ophthalmology 617.71
Kerenski offensive
European war 940.4325
Kerguelen island history 969.93
Kermes (Coccidae) agric. 638.34
Kermess social customs 394.6
Kern co., Calif. hist. 979.488
Kerosene
and safety pub. health 614.834
chemic technology 665.5
heating chemistry 542.43
Kerry
cattle (Bovidae)
domestic animals 636.2256
Hill sheep (Bovidae)
domestic animals 636.3244
history 941.96
Kersey co., Neb history 978.292
Kershaw co., SC " **975.761**
Ketones organic chem. **547.6**
Kettle River Range, Wash 979.725
Kewaunee co., Wis hist. 977.562
Keweenaw co., Mich " 977.4995
Kexél, Olof Swed. drama 839.7253
Key books rarities 098.5
bugle brass instr. 788.46
foramen of anat. 611.8185
numbers bus. letters 651.756
West, Fla history 975.9411
Keyapaha co., Neb " 978.2725
Keyboard instruments
music **786**
semi-automatic mfg 681.831
Keyboards
writing machine mfg 681.6111
Keyhole scutcheons
architectural constr'n 721.894
Keynes managed currency
financial economics 332.56
Keys and locks mfg 683
mech. fastenings 621.883
radio 621.3841335
reaction psychom. 152.8325
student honor 371.81
telegraphy 621.3831
Keystone state (Pa) hist. **974.8**
Keystones arch constr'n 721.428
Khama's country history 968.14
Khans architecture 728.53
Kharput history 956.6
Khartoum " 962.6
Kheta " ancient 939.45
Khingan, Manchuria hist. 951.84
Khitan
dynasty Chinese hist. 951.023
Khiva " 958.5
Khmer archi. styles **722.45**
Khodavendigar history 956.1
Khokan " 958.7
[4] **Khond language** **494.824**
Khotan, China history 951.6
Khus khus grass (Andropogoneae) field crops 633.815
Kia king Chinese history 951.035
Kiahsing, China " 951.242
Kiamichi Mt, Okla descr. 917.6679
Kiangnan, China history **951.22**
Kiangsi " " **951.222**
Kiangsu " " **951.13**
Kiaochow " " 951.144
Kibali-Ituri " 967.55
Kibi " **952.1941**
Kibizzo silk waste indus. 677.443
Kick plates
architectural constr'n 721.894
Kick-back prevention
radio circuits 621.38413386
Kidderminster carpet mfg 677.643
Kidglove orange (Rutaceae)
fruitculture 634.322
Kidnapping criminal law 343
Kidney
bean (Fabaceae)
garden crops 635.652
vetch (Fabaceae)
field crops 633.362
Kidneys
anatomy **611.61**
and vagus nerve
physiology 612.819915
comparative secretion of
physiology 612.4636
lesion physiology **612.46623**
pathology 616.61
physiology **612.46**
pathologic **612.466**
see also Renal
Kiel, Germany
European war naval base 940.453
history 943.51
Kielmeyeroideae
(Guttiferaceae) bot. 583.163

Kierkegaard, S A
Danish essays 839.81462
Kieselguhr geol., econ. 553.69
petrology 552.57
Kigezi history 967.613
Kii " 952.183
Kikuyu " 967.65
Kildare " 941.85
Kilim carpet manufactures 677.643
Kilimane history 967.94
Kilkenny " 941.89
Killarney " 941.96
Killing biol. collecting 579.613
Kilos anatomy 611.81711
Kilpatricks, H J, exped.
1864 US Civil war 973.7362
Kilwa Kivinje history 967.84
Kimball co., Neb " 978.297
Kimberley
Australia " 994.1
Cape Colony " 968.782
Kimmei Japanese " 952.0136
Kinai " **952.185**
Kincardine " 941.26
Kinchafoonee
county, Ga " 975.8916
Kindergarten libraries
library economy 027.82222
Kindergartens
[1] **admission** **371.211**
architecture 727.1
education **372.2**
public 379.18
see also **Education, elementary**
Kindergartners
training of education 372.207
Kindness ethics 177.7
Kinemacolor
cameras photography 778.5342
projectors " 778.5542
Kinematic geometry 513.7
Kinematics
mechanical engineering 621.81
physics 531.1
Kinematography
see Moving pictures
Kinesthetic sensations
physiology 612.885
psychology **152.67352**
Kinetic theory of
chemic equilibriums 541.39
gases physics 533.7
solutions chemistry 541.3411
Kinetics physics **531.3**
Kinetographs photography **778.53**
Kinetoscopes " 778.54
King, William Eng. wit 827.47
King
and Queen co., Va hist. 975.535
county, Wash " **979.777**
crab (Xiphosura) zool. 595.392
[1] **foreign central gov't** **354**
George co., Va hist. 975.525
George's war US " 973.26
grape viticulture 634.847
orange (Rutaceae) fruitc. 634.322
Philip's war US hist. 973.24
William co., Va " 975.5355
William's Town " 968.778
war US " 973.25
worship comp. relig. **291.213**
Kingdom of the Serbs
Croats & Slovenes hist. 949.7
Kingfisher co., Okla " 976.632
(Picariae)
ornithology 598.89
Kinghir sheep (Bovidae)
domestic animals 636.385
Kingman co., Kan history 978.184
Kingo, L H Dan. poet. 839.81134
King's
bench, court of Eng. law 347.99
daughters relig. ass'ns 267.433
evil pathology 616.996
Kings
[1] **biography** **923.1**
books of Bible 222.5
county, Calif. hist. 979.485
Ire. " 941.86
NB " 971.541
NY " **974.722**
NS " 971.634
PEI " 971.77
Mountain
SC, battle
American revolution 973.3364
Kingship political science 321.6–.7
Kingsley, Charles
English fiction 823.85
Kingsmill islands hist. 996.8
Kingston, NC " 975.6386
Ont " 971.372
Kinkajou (Procyonidae)
mammalogy 599.74443
Kinkel, J G Ger. poet. 831.82
Kinki history **952.18**

Kinoplasm veget. cytol. 581.87343
Kinross history 941.34
Kinship
customs & manners 392
genealogy 929.1
Kinsmen, marriage of
private law 347.6
Kintampo district hist. 966.78
Kiosks
advertizing business 659.134
architecture 725.213
street city planning 711.68
Kiowa co., Colo history 978.893
Kan " 978.1785
Okla " 976.647
Kirghiz language 494.34
Kirin, Manchuria hist. 951.88
Kirkcudbright " 941.49
Kishu " 952.183
Kismayu " 967.68
Kissidugu " 966.56
Kissing games, children's 796.13
Kistic languages 499.9612
Kisumu history 967.62
Kit Carson co., Colo
history 978.891
Kita history, ancient 939.45
Kitami " **952.48**
Kitchen
gardening agriculture 635
gardens landscape art 712.63
Kitchener, Ont history 971.345
Kitchen-middens archeol. 571.93
Kitchens
architecture 728.93
cooperative
child welfare 362.761
poor relief 362.54
domestic economy 643.3
Kite antennas radio 621.3841357
flying
children's recrea. 796.15
meteorology 551.51
military eng. 623.746
Kites aviation 629.13332
Kits radio antenna 621.3841358
Kitsap co., Wash. hist. 979.776
Kittitas co., " " 979.757
Kittson co., Minn " 977.699
Kitui " 967.65
Kiukiang, China " 951.222
Kiungchow " " 951.278
Kivu " 967.57
Kiwi (Apterygidae) ornithol. 598.54
Kizilkhoto, Mongolia hist. 951.71
Kjaempeviser Dan. poet. 839.81112
Klaipeda, *see* Memel
Klamath
county, Ore history 979.591
Lake, Upper, Ore descr. 917.9591
Mountains, Ore history 979.52
Kleinweiss grape vitic. 634.85439
Kleist, H B W von
German drama 832.68
Kleptomania psychology 132.62
Klewner grape vitic. 634.8544
Klic process photography 777.1
Klickitat co., Wash hist. 979.753
Klinger, F M Ger. drama 832.64
Klip River div. hist. 968.42
Klondike " 971.21
Klopstock, F G Ger. poet. 831.62
Knackaway (Boraginaceae)
botany 583.77
Knapweed (Carduaceae) bot. 583.5533
Knawel (Scleranthaceae) " 583.1545
Knee anatomy, regional 611.983
joint anatomy 611.7283
Kneecap " 611.71845
Kneipp cure hydrotherapy 615.853
Knick-knacks fine arts 739.8
Knife
grafting agriculture 631.341
grass " 631.3511
grinder cord mfg 677.74
pruning agriculture 631.3422
switches elec. stations 621.31732
Knifetooth harrow farming 631.3134
Knightage heraldry 929.7
see also Peerage, nobility, etc.
Knighthood
orders heraldry 929.71
social customs 394.7
Knights
of Columbus
European war 940.4775
religious ass'ns 267.242
Pythias secret soc. 366.2
Templar " " 366.1
Knitting
domestic economy 646.26
fancywork 746.43
industry 677.66
twist manufactures 677.02862
see also special fibers
Knives
neolithic archeology 571.25
office fittings 651.4651
paleolithic archeology 571.15

Knob scutcheons
architectural constr'n 721.894
Knobs
door & window constr'n 721.892
region, Ky history 976.95
Knockdown
huts manufactures 685.531
receiving sets radio 621.384136644
Knockers archi. constr'n 721.893
Knorring, S M (Zelow) von
Swedish fiction 839.7361
Knorripterideae botany 587.38
paleobot. 561.738
Knot grass (Paniceae)
field crops 633.266
Knots of speed shipbldg 623.81
rope industry 677.7
ship outfit 623.86
Knott co., Ky history 976.9165
Knotweed (Polygonaceae)
botany 583.917
Knotwort (Illecebraceae) bot. 583.912
Knowing, capacity for
psychology 151
Knowledge
classification of philos. 112
in general 001
instinctive psychology 158.424
metaphysics 121
psychology 153
sensible psychology 152
Knowles, J S Eng. drama 822.72
Knownothing party
US politics 329.5
Knox, John church hist. 270.6
co., Ill " 977.349
Ind " 977.239
Ky " 976.9125
Me " 974.153
Mo " 977.8315
Neb " 978.259
O " 977.152
Tenn " 976.885
nat'l forest, Ky descr. 917.69845
Knoxville, Tenn
campaign, 1863 US Civ. war 973.7358
history 976.8851
Knuckle-joint anatomy 611.72962
Knuckles, steering
motor vehicles 629.2476
Knysna history 968.7395
Koan Japanese " 952.01224
Kobe " 952.1931
Kobolds folklore 398.4
Kobun Japanese history 952.0145
Kochi " 952.31
Kodachrome process phot. 773.3
[1] Kodagu language 494.816
Kodaks photography 771.3133
Kodo millet (Paniceae)
field crops 633.266
Koeberlinioideae botany 583.131
Kögel's integral phot.
fine arts 773.7
Koenig color process phot. 773.7
Körner, K J Ger. poet. 831.66
Kogen Japanese history 952.01226
Kogou " " 952.0226
Kohlrabi (Brassicaeae)
garden crops 635.348
Koinadugu history 966.45
Kokaku Japanese " 952.02529
Koken, Empress
Japanese history 952.0154
restored Jap. hist. 952.0156
Koko " " 952.016217
Kokonor, China " 951.47
Kokyoku, Empress
Japanese history 952.0139
restored Jap. hist. 952.0142
Kola, *see* Cola
Kolarian languages 495.95
Kolmogorian cattle (Bovidae)
domestic animals 636.271
Kolomea European war 940.4275
Komei Japanese history 952.02532
Komgha " 968.7785
Komyo Japanese " 952.0227
Konakry " 966.53
Kondoa-Iranghi " 967.87
Kong " 966.687
Kongo Free State " 967.5
French " 967.2
Portuguese
West Africa " 967.31
River basin " 967.5
sheep (Bovidae)
domestic animals 636.386
Kongo-Kasai prov. hist. 967.51
Konin Japanese " 952.0157
Konkan hemp (Fabaceae)
field crops 633.562
Konoe Japanese history 952.01636
Konrad 1 German " 943.022
2 " " 943.023
3 " " 943.024
4 " " 943.025
Kontagora " 966.96

Konya history 956.4
European war 940.4291
Koochiching co., Minn hist. 977.679
Kootenai co., Ida " **979.694**
Kopp color process phot. 778.63
Koran Mohammedanism 297
Kordofan history 962.8
Korea " **951.9**
[4] Korean language **495.7**
Korei Japanese history 952.01225
Koreyasu
Prince " " 952.02125
Korsakow's psychosis
medicine 616.8938
psychology 132.1938
Kosciusko co., Ind hist. 977.282
Kosher cookery dom. econ. 641.567
Koshi **history** **952.15**
Koshiki islands " 952.295
Kosho Japanese " 952.01223
Koshu " 952.165
Kosmos universal lang. 408.9
Kossuth co., Ia history 977.721
[4] Kota language **494.821**
Koto Sho history 952.947
Kotoku Japanese " 952.0141
Kotonu " 966.83
Kotsuke " 952.1385
Kotzebue, A F F
German drama 832.66
[4] Kou language **494.824**
Kountze co., Neb history 978.247
Kovno " 947.5
Kowloon, China " 951.25
Krameriaceae (Cassiaceae)
botany 583.323
Krantzkop history 968.44
Krasnik Eur. w., 1914 940.4223
1915 940.4252
Krasny, Mongolia hist. 951.71
Krasnystaw Eur. w., 1915 940.4252
Krayn process photography 778.66
[4] Krêvin language **494.544**
Kribi history 967.12
Kriemhilde line Eur. w. 940.4364
Kries color theory
physiology of vision 612.8433016472
psychology " " 152.133016472
Kripton chemistry 546.294
Krishna comparative relig. 294
Kristiansand history 948.2
Kroonstad " 968.54
Kru coast " 966.65
Krugersdorp " 968.22
Krummholz formations
vegetable ecology 581.5264263
Kruss magic camera phot. 778.22
Kryptol furnaces
practical chemistry 542.47
Ku Klux Klan
political associations 363
Kudrum German poetry 831.22
Kuile hearing theory
physiology 612.8501665
psychology 152.201665
Kulangsu, China history 951.245
Kuling, " " 951.222
Kulun, Mongolia " 951.735
Kumamoto " 952.225
Kumasi " 966.75
Kumiss dairy industry 637.146
state inspection 614.324
Kumquat (Rutaceae)
fruitculture 634.324
Kung-fu-tse comp. relig. 299.51
philosopher 181.1
Kunlun mt., China hist. 951.6
Kunming, " " 951.355
Kuomintang Chinese " 951.042
Kuonlun mt., China " 951.6
[4] Kurdish language **491.57**
Kurdistan history 956.6
Persian " 955
Kurile islands " 952.7
Kurland " 947.4
Kuroshiro oceanography 551.475
Kuruman history 968.787
Kurussa " 966.55
Kushiro " 952.47
Kustars economics 331.794
Kusumu history 967.62
Kut-el-Amara Eur. war
1915 940.4261
naval operations 940.455
1916 940.4293
1917 940.4333
Kuxhaven, Germany
Eur. w., air raids, 1914 940.444
naval base 940.453
raid, 1914 940.454
history 943.53
Kwa River hist. 967.52
Kwammu Japanese " 952.01611
Kwangchowan, China " 951.27
Kwangchowfu, " " 951.275
Kwang-hsu Chinese " 951.039
Kwango River " 967.52

Kwangsi, China hist. 951.28
Kwangtung
peninsula, Manchuria " 951.822
province, China " **951.27**
Kwansei " **952.16**
Kwanto " **952.13**
peninsula, Manchuria " 951.822
Kwathlamba Mts " 968.61
Kwazan Japanese " 952.016255
Kweichow, China " **951.34**
Kweihwa-Suiyuan, " " 951.76
Kweilin China hist. 951.28
Kweiyang, " " 951.345
Kwiyu " 967.26
Kyloe cattle (Bovidae)
domestic animals 636.2233
[4] Kymric group of languages 491.65
Kyoto history 952.191
period Jap. " 952.0225
Kyrie music 783.22
Kyushu history 952.2

L

LMZ formulas geodesy 526.46
Labarraque solution
photographic chemistry 771.546
La Bassée Eur. w., 1918
Aug. 940.4356
Oct. 940.4363
Labé history 966.54
Labeling
biologic collecting 579.72
library shelf dept 025.8
machines mfg 681.6261
office equip. 651.267
Labelle co., Que hist. 971.4225
Labels
advertizing 659.12
filing office records 651.554
office supplies 651.4667
union economics 331.8808
Labette co., Kan hist. 978.196
Labia majora & minora anat. 611.6732–3
Labiatae botany 583.891
Labiatiflorae " 583.553
Labiche, E M Fr. drama 842.81
Labor
abnormal pathology 618.5
administrative regula. 351.83
agencies
see Employment bureaus
and economic crises
production 338.558331
education econ. 331.85
public interest
economics 331.9
socialist int'l
political economy 335.522
apprentices economics 331.55
availability
industrial management 658.213
bonus wages 331.22
Labor (cont.)
child political econ. 331.3
colonization economics 331.61
compulsory polit. econ. 331.57
conditions dom. " 647.6
contracted economics 331.54
contracts & agreements
cancellation of econ. 331.13
economics 331.11
conventical economics 331.53
convicts' " 331.51
day " 331.817
demand " 331.115
dignity of " 331.013
disputes
and crime sociology 364.26
political economy 331.89
distribution production 338.018
division of " 338.018
drafted economics 331.64
economics 331
foreign economics 331.62
freedom of
economic theory 331.011
government support 331.9
industrial disputes 331.891
hard criminal law 343.2
holidays
economics 331.817
social customs 394.2643
hours workmen 331.81
importance of econ. 331.013
in emergencies " 331.64
income of taxation 336.246
indentured economics 331.54
induction of obstetrics 618.88
industrial management 658.3
laws economics 331.00037
maintenance " 331.125

Labor (cont.)
monopolies economics 331.8808
native
protection of " 331.62
obstetrics 618.4
of handicapped cconomics 331.59
women " 331.4
organization of " 331.87
organizations, int'l " 331.9
party US politics 329.85
pauper economics 331.6
psychology of " 331.011
psychol. 150.13331
quarters economics 331.82
racketeering " 331.8808
regulation of " 331.9
relations in shop " 331.15
representation
legislature 328.3344
suffrage 324.227
savers
domestic economy 643.6
industrial manage. 658.28
kitchen equipment 643.34
office economy 651.452
saving methods & devices
literary 029
service records econ. 331.123
skilled " 331.7
slaves' " 331.58
songs music 784.68331
statistics economics 331.00031
supply " 331.112
termination " 331.13
theories of " 331.01
turnover " 331.126
unions " 331.88
halls archi. 725.93
unskilled economics 331.798
utility of " 331.013
wages " 331.2
see also Employer, Workmen
Laboratories
architecture 727.5
botany 580.722
in prisons sociology 365.664
practical chemistry 542.1
school buildings 371.623
equipment 371.66
in other specific fields
[2] see subject —072
Laboratory
educational methods 371.38
receptacles prac. chem. 542.23
technic chemistry 542
Labor-cost theory economics 330.162
Laborde process phot. 773.123
Laborers, *see* Workmen
Laboring classes
and church theology 261
economics 331.8
education of
economics 331.85
special classes 371.965
training of economics 331.86
Laboulbeniales botany 589.232
Labrador history 971.9
tea (Ericaceae) bot. 583.62
Labrusca
vitis (Euvites) agric. 634.847
Labruscoideae
(Euvites) " 634.846
Labyrinth
membranous anatomy 611.852
pathology 617.88
physiology 612.8584
psychology 152.284
osseous anatomy 611.853
Labyrinthic sense
physiology 612.886
psychology 152.6736
Labyrinths
animal psychology 151.3072581
archeology 571.95
landscape art 717.685
Lac des Allemands, La. 917.6332
Qui Parle co., Minn 977.638
Lac gathering agric. 638.3248
industry 638.32
insects (Coccidae)
agriculture 638.323
products agric. 638.326
utilization of
agriculture 638.3268
varieties agric. 638.3264
waste " 638.3264
La Calprenède, Gaultier
de Coste de Fr. fict. 843.43
Lacaune sheep (Bovidae)
domestic animals 636.3468
Lace fancywork 746.2
industry 677.653
Lacedaemon hist., anc. 938.9
Lacerations
of genital tract
obstetrics 618.55
surgery 617.143
Lacertilia herpetology 598.11
Lacewing flies (Planipennia)
agricultural pests 632.741
Lachine rapids, Que descr. 917.14285

Lacing, tight hygiene 613.484
Lacings manufactures 677.75
Lacistemineae botany 583.983
Lackawanna co., Pa hist. 974.836
Lacker
chemic technology 667.7
motor vehicle finish 629.268
materials 629.23237
radio insulating " 621.38417910197
silver process phot. 772.13
work archi. dec. 729.68
artistic furn. 749.5
Lackered wood
arts & crafts 745.51
Lackers
painting fixatives 751.25
Laclede co., Mo history 977.8815
Laconia history, ancient 938.9
Lacrimal
apparatus anatomy 611.8464
physiology 612.847
psychology 152.17
bone anatomy 611.7157
disorders ophthalmology 617.76
secretions
physiologic zoology 591.147
La Crosse co., Wis hist. 977.571
Lacrosse sports 796.34
Lactation
diseases of obstetrics 618.71
physiology 612.664
Lacteal ducts anatomy 611.426
Lactic fermentation
physiology 612.66417
Lactiferous ducts anat. 611.693
Lactin in milk
dairy industry 637.1272
Lactometer pub. health 614.32
Lactometry dairy indus. 637.1276
pub. health 614.321
Lactoridaceae botany 583.1145
Lactose
and nutrition physiol. 612.39614
in milk dairy indus. 637.1272
use of cheese indus. 637.345
dairy " 637.145
Lactuca sativa (Cichoriaceae) garden crops 635.52
Lactucaceae (Liguliflorae)
botany 583.552
Lacunas
histology 611.01843
urethral anatomy 611.6234
Ladakh history 954.6
Ladakhi language 495.47
literature 895.4
Ladders
athletics 796.46
library equipment 022.941
Ladd-Franklin, color theory
physiology of vision 612.843301644
psychology " " 152.13301644
Ladies
maids domestic economy 647.25
of the Sacred heart
religious orders 271.93
poor, Order of
religious sisterhoods 271.973
tresses (Orchidaceae) bot. 584.15
[4] Ladin language 459.9
Lading, bills of
business methods 658.78825
Ladismith
Cape of Good Hope hist. 968.736
Lado enclave " 962.9
Ladrone islands history 996.7
[4] language 499.213
Ladulfi, Léon, *pseud.*
French fiction 843.34
Lady chapel architecture 726.595
Washington grape
viticulture 634.84709
Lady-bird beetle
(Coleoptera) entomology 595.769
Ladybrand history 968.57
Ladysmith, Natal " 968.42
Lady's-slipper
(Orchidaceae) botany 584.15
Lammerschwanz grape vitic. 634.85439
La Faille, Jean de
French drama 842.36
La Fayette, M M Pioche
de la Vergne Fr. fict. 843.48
Lafayette
city, Ind history 977.295
county, Ark " 976.757
Fla " 975.9816
Miss. " 976.283
Mo " 977.845
Wis " 977.579
parish, La. " 976.347
LaFlèche fowls (Gallinae)
agriculture 636.543
La Fontaine, Jean de
French poetry 841.45
Lafourche parish, La.
history 976.339

Lagenidiaceae botany 589.262
Lagerbring, Sven
Swedish literature 839.7844
Lagging tides astronomy 525.63
Lagos protectorate hist. 966.92
La Grande, Ore " 979.5711
La Grange, city, Ga " 975.8461
Lagrange co., Ind " 977.279
Lagrein grape viticulture 634.85436
La Harpe, J F de
French drama 842.63
essays 844.61
Lahnda language 491.41
Lahore history 954.5
Lahune sheep (Bovidae)
domestic animals 636.3469
Laikipia history 967.63
Laingsburg " 968.7425
Laissez faire polit. econ. 330.153
Lake basin, Ore history 979.59
Charles
city, La. " 976.3541
cities
civic arts 711.421
early civic arts 711.423
co., Calif. hist. 979.417
Colo " 978.846
Fla " 975.922
Ill " 977.321
Ind " 977.299
Mich " 977.468
Minn " 977.676
O " 977.133
Ore " 979.593
Tenn " 976.812
duck (Anseres) agric. 636.59782
dwellings archeology 571.83
George, NY history 974.751
Megantic
county, Que " 971.469
navigation commerce 386.5
of Bays dist. hist. 971.316
the Woods
Can. " 971.311
co., Minn " 977.681
parks lands. art 712.53
Placid, NY history 974.753
plants floriculture 635.9674
pollution indus. san. 628.541
process photography 772.18
reserves nat. lands. 719.348
St John co., Que hist. 971.414
state (Mich) " 977.4
Lake (cont.)
states, US history 977
see note under Virginia
transport vs
other means of
transport sociol. 386.512
railways railroads 385.1265
Lakenfeld cattle (Bovidae)
dom. anim. 636.2354
fowl (Gallinae)
agriculture 636.532
Lakes, artificial
landscape art 714.33
forest effects on
agriculture 634.9224
hydrography 526.99
landscape art 714.23
physiography 551.48
water supply 628.11
Lake-swamp-meadow
plant succession bot. 581.524325
Lalli, G B Italian wit 857.53
Lamaism Buddhism 294.32
Lamar co., Ala history 976.186
Ga " 975.8446
Miss. " 976.219
Lamarckism biology 575.0166
Lamartine, A M L de
French poetry 841.74
Lamaseries architecture 726.7799432
Lamb, Charles Eng. essays 824.75
Lambertypes photography 773.6
Lambeth, London history 942.16
Lamb's lettuce (Valerian-
aceae) garden crops 635.57
Lambton co., Ont hist. 971.327
Lamellas histology 611.01843
Lamellibranchiata zool. 594.1
Lamellicornia entomology 595.764
Lamellirostres ornithol. 598.41
La Mennais, H F R de
French essays 844.71
philosopher 194.6
Lamentations Bible 224.3
Lamiaceae botany 583.891
Lamiales " 583.87
Lamina leaf anatomy 581.49722
Laminariales botany 589.454
Laminated arches
architecture constr'n 721.427
Lammermuir sheep (Bovidae)
domestic animals 636.3252
Lamoille co., Vt hist. 974.335

La Motte
A H de French drama 842.51
Fouque, F H K Ger. fict. 833.65
Lamp holes sewerage eng. 628.253
posts
city planning 711.68
sewer ventilation 628.232
shells (Brachipoda)
zoology 594.8
Lampas
manufactures 677.02864
see also special fibers
special fabrics 677.61
Lampblack manufacture and
pollution pub. health 614.747
Lampoons, *see*
Humor and satire
Lampreys (Marsipobranchii)
ichthyology 597.2
Lamps, arc, *see* Arc lighting
ceramic f. arts 738.83
chemic tech. 665.6
darkroom phot. 771.24
domestic lighting **644.32**
filament elec. " **621.326**
flash photography 771.448
heating prac. chem. 542.43
Lamu history 967.67
[4] Lamuṭ language **494.12**
Lanark co., Ont history 971.382
Scotland " 941.43
Lancashire " 942.72
Lancashire
blackfaced sheep
(Bovidae) dom. anim. 636.3254
swine (Suidae) dom. anim. 636.4242
Lancaster
and York Eng. history **942.04**
Irish " 941.54
county, Eng. " 942.72
Neb " **978.229**
Pa " 974.815
SC " 975.745
Va " 975.522
system education 371.41
Lancastrian Gothic archi. **723.5204**
Lancelet (Leptocardii)
ichthyology 597.1
Lancerota history 964.97
Lancers
calvary 357.16
dances 793.34
quadril music form 781.508526
Lances ordnance 623.4444
Lancet
arches archi. constr'n 721.422
Gothic archi., English **723.52032**
French **723.54022**
Lanchow, China history 951.455
Land acquisition
city planning 711.172
agricultural geology **631.4**
banks fin. econ. 332.311
birds hunting sport 799.242
claims pub. finance 336.13
classification
and utilization
polit. econ. **333.7–.9**
cultivation and plant
succession botany 581.524344
division land econ. 333.38
economics agric. **631.1**
city plan. 711.14
for cultivation
see Arable lands
grants pub. finance **336.13–.14**
to pub. schools
education 379.123
laws polit. econ. 333.00037
markers farming 631.3314
nationalization of
political economy 333.14
of Flowers (Ala) hist. **976.1**
the Sky, NC " **975.68**
owners representation
legislature 328.3344
suffrage 324.227
ownership
alien polit. econ. 333.4
communal " " 333.2
private " " **333.3**
public " " **333.1**
political economy **333**
private law 347.2
privilege poor relief 362.57
public
colonies 325.315
finance **336.1**
policy polit. econ. **333.7–.9**
political economy **333.1**
reclamation of waste
agriculture 631.612
registration
political economy 333.34
rent polit. econ. **333.5–.6**
rights " " **333.7–.9**
settlement
guides agriculture 631.11
political economy 333.71

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Land (cont.)
slides and plant
succession bot. 581.5243238
geology 551.3
subdivision
city plan. 711.63
economics 711.14
submerged
agric. reclamation 631.616
subsurface
political economy 333.8
surveying geodesy 526.9
tenure polit. econ. 333.3–.4
title insur. bus. 368.81
titles polit. econ. 333.34
valuation of
forestry 634.928425
value indus. manage. 658.212
tax pub. fin. 336.226
waste polit. econ. 333.73
Landaise sheep (Bovidae)
domestic animals 636.3643
Landed
gentry heraldry 929.7
industry admin. regula. 351.823
Landes dept, France hist. 944.772
Landholders, absentee and
alien polit. econ. 333.4
Landing
artillery ordnance 623.414
avigation 629.13252
fields aeronautics 629.136
forces naval science 359.35
gear aircraft 629.1343843
lights " 629.13518
military maneuvers 355.53
tactics 355.422
signals radio in aviation 621.38419145
stages
airfield bldg archi. 725.34
dock " " 725.39
Landings, boat
landscape art 717.687
Landlord and tenant
land economics 333.54
private law 347.2
Landrat Ger. loc. gov't 352.04303
Landscape
architects' professional
practise 712.3
architecture fine arts 712–717
art " " 710
Landscape (cont.)
composition 712.24
water 714.21
construction & maint. 713
supervision of 712.36
drawing fine arts 741.42
effects 712.23
influence diff. psychol. 136.24
natural fine arts 719
painting " " 758.1
photographic films
photographic chemistry 771.5325
structures 717
Landscapes fine arts 704.943
Landsturm mil. organiza. 355.351
Landtag Ger. gov't 354.43072
local 352.04301
Landwehr mil. organization 355.351
Lane co., Kan history 978.145
Ore " 979.531
Lanes lands. constr'n 713.72
Langebek, Jacob Dan. lit. 839.81842
Lange-James theory
of emotions psychol. 157.016632
Langenburg history 967.85
Langendijk, Pieter
Dutch drama 839.31241
Langensalza goat (Bovidae)
domestic animals 636.393
Langerhans, islands of
anatomy 611.377
physiology 612.349
Langlade co., Wis hist. 977.535
Langland, William
English poetry 821.15
Lango history 967.615
Langshan fowls (Gallinae)
agriculture 636.5853
Language 400
For specific languages see qualifying names
and thought in reasoning
psychology 153.652
center
physiology of brain 612.825249
children's psychology 136.744
demography 312.9
early forms of English 427.01
[3] other —701
in which written
[2] see subject —0004
international philology 408.9

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Language (cont.)
laws of English 422.1
[3] other lang. —21
lessons elem. educ. 372.6
modifications, special
English philology 428.25
[3] other lang. —825
natural laws of philol. 414
office correspondence 651.74
origin of English 422.1
[3] other lang. —21
philology 401.1
periods & stages of English 427
[3] other lang. —7
physiology 612.789
popular
in specific fields
[2] see subject —0144
psychology 158.83
philology 401
scientific
in specific fields
[2] see subject —0143
second elem. educ. 372.65
sign educ. of
deaf & mute 371.912
terminology of subject
in specific fields
[2] see subject —014
unity of philology 401
Languages
[1] **and state polit. sci.** 323.1
artificial literature 808.9
philology 408.9
nonverbal & nonliteral philology 419
Langue bleue philology 408.9
Languedoc
history 944.8
swine (Suidae)
domestic animals 636.447
Lanier, Sidney Amer. poet. 811.47
Lanier co., Ga history 975.8817
Lank sheep (Bovidae)
domestic animals 636.3254
Lansing, Mich history 977.427
Lansquenet card games 795.42
Lantern
slide boxes phot. 771.46
slides
educational methods 371.33522
library acquisition 025.297
administration 025.177
cases for 022.487
preservation 025.8
Lantern (cont.)
slides (cont.)
photographic films 771.5325
photography 778.25
radio 621.384084
Sunday schools 268.6352
Lantern-flies (Fulgoridae)
entomology 595.7532
Lanternoscopes phot. 771.46
Lanterns
darkroom photography 771.24
domestic lighting 644.322
enlarging photography 771.318
landscape art 717.9
magic optics 535.86
of the dead archi. 726.87
photographic projection 778.22
manufactures 681.133
roof construction 721.555
tower architecture 725.976
Lanthanum chemistry 546.63
Lanzarote history 964.97
Lanzi, L A It. essays 854.64
Laoighis history 941.87
Laos " 959.4
Laparotomy surgery 617.55
Lapeer co., Mich hist. 977.442
LaPéruse, J B de
French drama 842.33
LaPlace's functions
calculus 517.35
La Plata co., Colo hist. 978.829
River " 982
Lapland " 947.1
Laporte co., Ind " 977.291
[4] **Lapp language** 494.55
Lapping
machines
mechanical tools 621.922
primary textile mfg 677.02851
2dary " " 677.02852
see also special fibers
primary textile process 677.02821
2dary " " 677.02822
see also special fibers
Laprade, P M V R de
French poetry 841.81
La Prairie co., Que hist. 971.434
Lap-robes manufactures 677.62
Laramie Range, Colo hist. 978.868
Larceny criminal law 343
Larch (Pinaceae) forestry 634.9757
Lard adulterations 614.313
breeds of swine
(Suidae) dom. anim. 636.4133
chemic technology 664.3

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Lard (cont.)
refining and pollution
public health 614.743
Larder-beetle (Clavicornia)
entomology 595.763
Larders architecture 728.93
domestic economy 643.37
Lardizabalaceae botany 583.1172
Lares comparative religion 291.2134
Largo music form 781.50812
Larimer co., Colo hist. 978.868
Larivey, Pierre de
French drama 842.38
Larix (Pinaceae) forestry 634.9757
Larkspur (Ranunculaceae)
botany 583.111
Larned, Kan history 978.1491
La Rochelle " 944.64
Larra, M J de Sp. fict. 863.51
Larue co., Ky history 976.971
Larvae animal embryology 591.34
physiology 612.651
Laryngeal nerves anat. 611.831916–917
Laryngopharynx " 611.3273
Laryngoscopy physiology 612.7823
Laryngotomy surgery 617.42
Larynx
acoustics 534.7
anatomy 611.22
artificial physiology 612.783
birds " 612.788
pathology 616.22
physiology 612.78
Larzac sheep (Bovidae)
domestic animals 636.3468
LaSale, Antoine de
French fiction 843.23
LaSalle, J B de, Christian
brothers relig. order 271.78
LaSalle co., Ill hist. 977.327
parish, La. " 976.375
Las Animas co., Colo " 978.896
Lasca, il Italian fiction 853.41
Lascivious line palmistry 133.6432
Laska grape viticulture 634.85436
Lassa, Tibet history 951.52
Lassaigne process phot. 772.12
Lassen co., Calif. hist. 979.426
Lassoing hunting sport 799.262
recreation 796.21
Last things doc. theol. 236
Lastourville history 967.23
Latah co., Ida " 979.686
Latches
door & window constr'n 721.88
Latent image phot. chem. 771.535
Lateral
column, spinal anat. 611.8256
line anatomy 611.889
physiology 612.8869
Lath mills architecture 725.441
Lathe
machinery mech. tools 621.94
work manufacture 671–674
Lathwork masonry 693.65–.66
Laticiferous
secretion botany 581.1414
vessels veget. morphol. 581.442
Latifundia land econ. 333.37
Latimer co., Okla hist. 976.676
Latin
America " 980
American literature 868.997–.998
antiquities 913.37
archi. styles, medieval 723.11
biography 920.037
church
see Catholic church
erotica literature 874
geography 912.37
hymns literature 879.1
inscriptions philol. 471.7
language 470
medieval & modern 479
literature
classic 870
medieval & modern 879
mythology comp. relig. 292
squares & rectangles
arithmetic 511.61
text Bible 220.47
union financial econ. 332.43
Latissimus dorsi anatomy 611.73112
Latitude
and earth surface
irregularities geod. 526.64
determinations " 526.61
finding
astron., terrestrial 525.41
navigation 527.1
longitude-azimuth
formulas geodesy 526.46
see also Longitude and latitude
Latitudinal variation
viticulture 834.8363
Latium history 945.6
ancient 937.6
Latrines sanitary eng. 628.45
Lats archi. constr'n 721.373
Latter-day saints Mormons 289.3

Lattice
doors archi. constr'n 721.837
girders bridge eng. 624.23
windows archi. constr'n 721.846
Latticed construction
carpentry 694.5
Latticeleaf
(Aponogetonaceae) bot. 584.743
Lattices
landscape structures 717.83
Latvia history 947.4
Laube, H R C Ger. drama 832.76
Laude, cum
univ. & col. degrees 378.22
Lauderdale co., Ala hist. 976.199
Miss. " 976.2676
Tenn " 976.816
Laudonniere, Rene de
American history 973.18
Laughing physiology 612.219
Laughter
hysteric medicine 616.852
psychology 132.152
psychology of emotions 157.224
Launch engines mech. eng. 621.1228
Launches sports 797.14
Launching tubes nav. eng. 623.95
ways shipbldg 623.83
Laundresses dom. econ. 647.25
Laundries architecture 728.93
Laundry
business dom. econ. 648.1
disinfectants " " 648.6
room " " 643.58
Lauraceae botany 583.931
Lauraguaise sheep
(Bovidae) dom. anim. 636.3465
Laurel, Amer. (Ericaceae)
botany 583.62
city, Miss. hist. 976.2551
co., Ky " 976.914
Laurens co., Ga " 975.8535
SC " 975.731
Lausanne " 949.4
Lava caves, Ore descr. 917.9587
enameled ceramics 738.46
petrology 552.21
radio insulating
material 621.384179101 32
Laval co., Que history 971.427
Lavanduloideae (Labiatae)
botany 583.891
Lavatories
and pollution
public health 614.764
domestic economy 643.52
industrial architecture 658.239
public sanitary eng. 628.45
school buildings 371.626
working conditions 331.827
Lavatory furnishing
domestic economy 645.68
Lavender
(Lamiaceae) field crops 633.812
sea- (Plumbaginaceae) bot. 583.671
Lavisa valley, Ky hist. 976.92
Lavoirs architecture 725.196
Law, administrative sociol. 350
and order leagues
temperance 178.4062
principles of subj.
in specific fields
2 see subj. —01
Anglo-Saxon jurispr. 349.3632
bankruptcy " 347.7
British " 345
business " 347.7
canon " 348
colonial
English statutes 346.1
commentaries jurispr. 347
commercial " 347.7
common 347
1 **constit. pub. law 342**
criminal 343
int'l 341.4
dictionaries jurispr. 347.03
enforcement
and public opinion
criminology 364.252
criminology 364.44
sociology 340
state police 351.74
English jurispr. 346
faculty of " 347.069
family " 347.6
feudal polit. sci. 321.3
forms legal procedure 347.93
givers comp. relig. 291.64
in ancient countries 349.3
Ireland jurispr. 349.415
Portugal " 349.469
Scythia " 349.3951
etc.
see also Legislature in —

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Law (cont.)
interpretation
political science 328.21
making polit. sci. 328
maritime jurispr. 347.7
martial polit. sci. 323.491
mercantile jurispr. 347.7
metaphysics 122
military 355.00037
moral, & Gospels
Antinomianism 273.6
ethics 170
of agency jurispr. 347.4
mass action chem. 541.39
nations int'l law 341
nature metaphysics 113
science 501
sociology 340.1
similars therap. 615.53
office training
jurisprudence 340.7
parish
ecclesiastic polity 262.2
local government 352
parliamentary
political science 328.1
patent jurispr. 347.7
private 347
int'l 341.5
probate jurispr. 347.6
reports
English " 346.4
state US " 345.42
US " 345.4
Roman " 349.37
schools " 340.7
sociology 340
testamentary
jurisprudence 347.6
uniformity
political science 328.22
US jurisprudence 345
Lawlessness criminology 364.21
Lawn bowling sports 796.31
flowers floric. 635.964
guards lands. art 717.67
tennis sports 796.34
textile mfg 677.02864
see also special fibers
Lawn-mowers agriculture 631.3527
Lawns landscape art 716.164
private estates 712.64146
Lawrence, city, Kan hist. 978.1651
co., Ala " 976.192
Ark " 976.725
Ill " 977.376
Ind " 977.226
Ky " 976.926
Miss. " 976.2536
Mo " 977.875
O " 977.188
Pa " 974.893
Tenn " 976.842
Laws
agrarian polit. econ. 333.00037
and regulations
building industry 692.9
motor vehicles 629.2134
plumbing 696.9
in specific fields
[2] see subject —00037
ante-Justinian jurispr. 349.371
conflict of int'l law 341.598
Justinian jurispr. 349.372
labor economics 331.00037
[1] **library legislation** 021.89
psychophysical psychol. 152.821
public health 614.00037
[1] **school education** 379.14
sessional, Eng. jurispr. 346.1
US " 345.1
Sunday, *see* Sunday laws
Lawyers 347.069
[1] **biography** 923.4
ethics 174.3
Laxatives physiology 612.3344
therapeutics 615.7321
Lay
investiture ch. hist. 270.4
ministry eccles. polity 262.14
Layamon, fl. 1200
English poetry 821.11
Layering
plant culture 631.534
pots farming 631.335
veget. propagation 581.16584
Layers floriculture 635.946
Layettes dom. economy 646.36
Laying
of eggs zootechny 636.08246
out of towns & streets
civic arts 711
engineering 625.7
Layoff labor economics 331.13

Layout city plans 711.41
Lazarets architecture 725.511
pub. health 614.45
sociology 362.11
Lazarists relig. order 271.77
'Lazian language **499.9624**
Laziness ethics 179.8
Lead
accumulators elec. eng. **621.355**
black geol., economic 553.26
chemistry 546.51
coinage metals 332.418
glaze pottery 738.34
metallurgy 669.4
mineralogy 549.2
mining 622.344
ores geol., economic 553.44
pharmaceutics 615.251
processes
dusting-on phot. 773.2
photography 772.52
products manufactures 671
toxicology 615.928
work fine arts **739.54**
Lead-coated wire mfg 677.73
Leaded
glass fine arts 748.5
windows archi. dec. 729.88
Leaders & editorials
journalism 070.432
Leadership sociology 301.155
Leading building trade 698.5
Leads window constr'n 721.848
Leads-in radio antennas 621.38413588
Leadville nat'l forest, Colo
description 917.8846
Leadwort (Plumbaginaceae)
botany 583.671
Leaf
anatomy botany **581.4972**
arrangement
veget. morphology 581.4975
base veget. morphology 581.49725
buds " " 581.4974
chervil (Apiaceae)
garden crops 635.78
cuttings plant culture 631.5357
differentiation botany 581.49713
forms, carved archi. 729.51
painted " 729.41
insect (Phasmidae)
agric. pests 632.724
origin botany 581.49712
traces veget. morphol. 581.4135
Leaf-beetle (Tetramera)
entomology 595.768
Leaf-hoppers (Jassidae)
agricultural pests 632.7535
League of nations
European war 940.3143
international law 341.1
Leakage of power
electric track 621.333167
transmission 621.31937
Leake co., Miss. history 976.265
Leaning towers archi. 725.973
Leanness physiology 612.3977
Lean-to roofs architecture 721.592
Leapfrog children's games 796.14
Leaping insects (Saltatoria)
entomology **595.726**
Learned soc. & academies
bldgs architecture **727.95**
general **060**
Learning
aids to psychology **154.44**
and concentration
psychology 154.442
frequency of repetitions
psychology 154.447
interest psychology 154.443
recitation " 154.448
rhythm " 154.445
will " 154.444
association in " 154.4242
auditory " 154.452
curve " 154.46
discrimination in " 154.4243
imitation in " 154.4234
in general 001
logical psychology **154.424**
mechanical " 154.423
motor " 154.456
of habits **158.433**
pathology of psychology 154.74
practise in " 154.4232
psychology **154.4**
rate of psychology **154.46**
repetition in " 154.4232
revival of lit. hist. 809.03
tactile psychology 154.455
tests
psychol. measurements 151.223344
psychology 154.84
schools 371.26
transference of psychol. 154.47
trial and error in " 154.4233
types of " **154.45**
visual " 154.451

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Lease syst. convict labor 365.65
Leases
cooperative bldg soc. 334.12
land economics 333.51
private law 347.2
Least
noticeable differences meth.
psychophysics 152.82322
squares
computing orbits 521.36
in geodesy **526.5**
math. probabilities 519.8
Leather
and leather goods
factories archi. 725.414–.415
manufactures 675
arts & crafts 745.53
clothing dom. economy 646.15
engraving fine arts 761.5
money numismatics 737.42
mot. veh. materials 629.232345
pyrography fine arts 736.46
stamped bldg industry 698.8
Leather-leaf
(Ericaceae) botany 583.62
grape viticulture 634.8465
Leatherwood
(Cyrillaceae) botany 583.273
(Thymelaeaceae) " 583.9331
Leathery fungi (Thelephoraceae) botany 589.222
L'Eau qui Court
county, Neb history 978.259
River " " **978.271**
Leave military science 355.113
see also Vacations and leaves
Leavenworth co., Kan hist. **978.138**
Leaves
art anatomy 743.797
edible garden crops **635.3**
fall of bot. ontogeny 581.135353
fertilizers **631.872**
landscape art 715.1742
primary botany 581.3347
seasoning garden crops **635.71**
vegetable morphology **581.497**
Lebanon
Asia Minor history 956.9
county, Pa " 974.819
LeBlanc ram mech. eng. 621.273
Lebrun, A F presidency 944.08
P D E Fr. poet. 841.61
Lecanactidaceae botany 589.171
Lecanoraceae " 589.171
Lecce history 945.753
Lecideaceae botany 589.171
Lecithin
physiol. of blood 612.11119
nutrition 612.39782
Lecompton constit., Kan, 1857
slavery 326.97368
US history 973.68
LeCoq, Thomas Fr. drama 842.31
Lecterns architecture 729.92
ecclesiology 247.1
Lectionary
Catholic ritual 264.022
Greek " 264.0192
Prot. Epis. " 264.032
etc.
Lecture
courses, apologetic
doc. theology 239.01–.08
halls architecture 725.83
rooms school bldgs 371.621
study adult education 374.62
lib. functions 021.44
Lecturers
universities & colleges **378.12**
Lectures
advertizing devices 659.14
copyright of business 655.62
for workmen economics 331.85
instruction method
adult education 374.5
schools **371.33**
Sunday **268.63**
library functions 021.43
[1] **universities & colleges** **378**
[2] on specific topics
see topic —04
see also Oratory
Lecythidaceae botany 583.423
Ledged doors
architectural constr'n 721.837
Ledges
door construction 721.838
landscape ground forms 713.5
library stack cases 022.443
office equipment 651.22
Ledgment tables
wall construction 721.25
Lee
Charles, treason
Amer. revolution 973.383
R E, surrender, 1865
US Civil war 973.7384

Lee co., Ala history 976.155
Ark " 976.789
Fla " 975 948
Ga " 975.894
Ill " 977.336
Ia " **977.799**
Ky " 976.9185
Miss. " 976.2935
NC " 975.6355
SC " 975.767
Va " 975.5735
Leechee (Sapindaceae)
nuciculture 634.571
Leeches (Hirudinea)
fishery 639.8
pathology 616.9688
therapeutics 615.811
Leeds, city, Eng. history 942.74
co., Ont " 971.373
Leek (Liliaceae)
garden crops 635.261
Leelanau co., Mich hist. 977.4635
Leeoideae (Vitaceae) bot. 583.2792
Leeward islands hist. 972.97
Leeway indicators
aircraft equipment 629.13513
Leflore co., Miss. hist. 976.246
LeFlore co., Okla " 976.679
Lefranc, J J Pompignan
French poetry 841.53
Lefthandedness
physiology 612.76
psychology of habits 158.435
Leg muscles anatomy 611.7383
Legacies private law 347.6
Legacy tax pub. finance 336.276
Legal
aid charity 361.4
anecdotes law 340.9
aspects motor vehicles 629.2134
capacity private law 347.1
dictionaries jurispr. 347.03
education " 340.7
equality polit. science 323.42
ethics 174.3
forms & blanks law 340.2
hermeneutics law 347
maxims law 340.9
med. and chem. law 340.6
pub. health 614.23
notices advertizing 659.1326
office buildings archi. 725.23
person private law 347.1
profession, *see* Lawyers
status of women sociol. 396.2
tender fin. economics 332.416
Legations architecture 725.178
Legendre's theorem geod. 526.42
Legends
Biblical folklore 398.1
Church religion 209
comparative mythology 291
folklore 398.22
in art 704.947
monastic church hist. 271.0883
of the Madonna relig. 232.9310883
Legerdemain recreation 791.1
Leghorn fowls (Gallinae)
agriculture 636.551
Legibility shorthand 653.14
Legion
American US societies 369.1861
étrangere Fr. gov't 354.44066
Legislation
and crime sociology 364.252
British statutes 346
checks on polit. sci. 328.256
comparative law 340.5
contested polit. sci. 328.3744
direct " " 328.26
excessive " " 328.241
for crime prevention 364.44
[1] **industrial production 338.9**
[1] **library 021.89**
local polit. science 328.378
political science 328.2
private polit. science 328.378
special " " 328.243
sumptuary ethics 177.4
US statutes 345
in other specific fields
[2] see subj. —00037
see also Law in —
Legislative
abuses polit. science 328.367
action, subjects of
polit. science 328.27–.29
annals polit. science 328
bodies
abolition of
polit. sci. 328.395
acts of Eng. law 346.1
US " 345.1
eligibility to 328.331
internal organization of 328.36
officers & employes in 328.362
polit. science 328.3
representation in 328.334
summoning of 328.351
control civil service 351.96
halls architecture 725.11

Legislative (cont.)
manuals polit. science 328.371
policy " " 328.24
powers " " 328.25
procedure 328.37
special 328.379
sessions, date of polit. science 328.352
tendencies polit. sci. 328.24
Legislators 328.069
appointment of 328.3351
[1] **biography** 923.2
compensation of 328.333
disciplinary suspension of 328.366
election of 328.3355
exofficio members 328.332
expulsion of 328.344
illegal practises of 328.367
immunity of polit. sci. 328.348
lists of " " 328.338–.339
membership & election of 328.33
number of polit. sci. 328.3349
office expenses of 328.364
power over 328.343
powers of 328.34
privileges of 328.347
requirements for 328.331
restriction on 328.349
term of polit. science 328.3356
without vote " " 328.331
Legislature
form of polit. sci. 328.39
in Bolivia 328.84
Switzerland 328.494
US 328.73
etc.
see also Law in —
life of polit. sci. 328.354
Legitimacy family law 347.6
Legitimation among poor sociology 362.55
Legray processes phot. 772.12
Legs
anatomy, regional 611.984
concrete archi. foundations 721.166
surgery 617.58
Legumes (Fabaceae)
and nutrition physiol. 612.39272
as food dom. economy 641.12
field crops 633.3
garden " 635.65
harvesters agriculture 631.3583
harvesting " 631.5563
zootechny 636.0863
Leguminosae botany 583.32
Leguminous fruits agric. 634.46
Lehigh co., Pa history 974.827
Lehmann hearing theory
physiology 612.8501663
psychology 152.201663
Leibnitz, G W philosophy 193.1
Leicester history 942.54
sheep (Bovidae) domestic animals 636.3212–3
Leimtypes photography 777.3
Leinster history 941.8
Leipzig " 943.21
Leisure and crime sociol. 364.255
workmen's econ. 331.845
Leitneriales botany 583.972
Leitrim history 941.71
Leix " 941.87
Lemaneaceae botany 589.416
LeMans fowls (Gallinae) agriculture 636.543
Lemberg, *see* Lwów
Lembophyllaceae botany 588.21531
Lemercier, L J N Fr. drama 842.68
Lemhi
county, Ida history 979.678
nat'l forest, Ida descr. 917.9659
Lemling process phot. 773.122
Lemnaceae botany 584.68
Lemniscus anatomy 611.8167
Lemnos history 949.91
anc. 939.11
Lemon vine (Cactaceae) fruitculture 634.7757
Lemons (Rutaceae) fruitc. 634.334
Lempster sheep (Bovidae) domestic animals 636.3242
Lemur (Prosimiae) mammal. 599.81
Lenard tube electricity 537.53
Lenau, Nicolaus Ger. poet. 831.76
Lenawee co., Mich hist. 977.431
Lending
collections mus. econ. 069.56
dept library book loan 025.6
service mus. econ. 069.13–.14
L'Enfant plan city plats 711.413
Length standards of base measuring geodesy 526.21
Leningrad history 947.4
Leninism polit. economy 335.441
Lennep, Jakob van Dutch fiction 839.31354
Lenngren, A M Swed. poet. 839.7156
Lennoaceae botany 583.66
Lennox and Addington co. Ontario history 971.359

Lenoir co., NC history 975.6385
grape Amer. vitic. 634.8452
Fr. " 634.8544
Lens, Fr.
Eur. w., 1917 940.4316
1918, Sep. 940.4355
Oct. 940.4363
Lens
caps photography 771.36
crystalline anatomy 611.8441
ophthalmol. 617.74
physiology 612.8441
psychology 152.141
esculenta (Fabaceae)
garden crops 635.658
grinding handicrafts 681.41-.42
mounts photography 771.353
shades " 771.358
Lenses lighthouses 627.9
manufactures 681.41-.42
optics 535.81
photography 771.352
stereopticon phot. 778.22
Lénström, C J Swed. essays 839.7464
Lent folklore 398.33243
ritual, Catholic 264.021
Greek 264.0191
Prot. Epis. 264.031
etc.
Sunday schools 268.76
Lenten cookery dom. econ. 641.566
music fine arts 783.27
Lentibulariaceae botany 583.825
Lenticels veget. morphol. 581.4213
Lenticula anatomy 611.81322
Lentils (Fabaceae)
garden crops 635.658
Lento music form 781.50812
Leo 3 Byzantine hist. 949.502
Leo occult astrology 133.522
Leon co., Fla history 975.988
León
Juan Ponce de
Amer. history 973.16
L P de Sp. poetry 861.33
Spain history 946.2
Leonardo
da Vinci It. essays 854.25
y Argensola, B J
Spanish poetry 861.34
Leonese sheep (Bovidae)
domestic animals 636.366
Leontodon taraxacum
(Cichoriaceae)
garden crops 635.46
Leopardi, Giacomo It. poet. 851.75
Leopold 1 Ger. history 943.044
2 " " 943.06
Lake " 967.53
C G af Swed. poet. 839.7157
Léopoldville history 967.51
Lepargyrea argentea (Elaeagnaceae) fruitculture 634.742
Lepers, *see* Leprosy
Lepidium (Brassicaceae)
garden crops 635.563
Lepidodendraceae botany 587.9115
paleobot. 561.79115
Lepidodendrales botany 587.911
paleobot. 561.7911
Lepidodendrineae botany 587.91
paleobot. 561.7911
Lepidophyta botany 587.9
Lepidophytineae paleobot. 561.7911
Lepidoptera agric. pests 632.78
entomology 595.78
Lepidosteidae ichthyology 597.47
Lepisma saccharina (Lepismidae) agric. pests 632.715
Lepismidae entomology 595.715
Leprosy
pathology 616.998
public health 614.546
sanitariums sociology 362.13
Leptinotarsa decemlineata
(Tetramera) agric. pests 632.768
Leptocardii ichthyology 597.1
Leptochoeridae mammalogy 599.7343
paleozool. 569.7343
Leptomitaceae botany 589.26
Leptospermoideae
(Myrtaceae) botany 583.42
Leptosporangiatae bot. 587.31
Leptostomaceae " 588.21415
Leptostromataceae " 589.242
Leptothecoideae " 588.312
Lepyrodontaceae " 588.21532
LeSage, A R Fr. fiction 843.51
Lesbos history 949.92
ancient 939.12
Le Seuer co., Minn hist. 977.655
Lesghian languages 499.9611
Leskeineae botany 588.21512
Leslie co., Ky history 976.915
Leslie's Va exped., 1780
Amer. revolution 973.3361
Lespedeza striata (Fabaceae)
field crops 633.364
Lessing, G E Ger. drama 832.61
Lesson method teaching 371.3

Letcher co., Ky history 976.916
Lethal gas criminal law 343.2
Lethargy hypnotism 134.52
Letter
balloting suffrage 324.247
files library records 025.156
office " 651.67
openers " fittings 651.4651
writing rhetoric 808.6
soc. customs 395
Letterheads direct adver. 659.133
office econ. 651.713
Letter-hole plates
archi. constr'n 721.894
Lettering
mechanical drawing 744.43
ornamental f. arts 745.6
Sunday school work 268.685
Letterpress printing plates
photography 777.2
Letters
business office econ. 651.75
direct advertizing 659.133
English alphabet 421
[3] other lang. —1
gummed office equip. 651.4667
literary coll'ns 808.86
history 809.6
literature, American 816
English 826
[3] other —8
see also Correspondence, Epistolography
moving adver. devices 659.138
of credit fin. econ. 332.77
marque law of war 341.3
on special subjects
[2] see subject —04
personification of
psychology 152.777
postal service 383.1
Lettic languages 491.9
[4] **Lettish language 491.93**
Lettuce
(Cichoriaceae)
garden crops 635.52
lamb's (Valerianaceae)
garden crops 635.57
Leucania unipuncta
(Noctuina) agric. pests 632.786
Leucobase processes phot. 773.7
Leucobryaceae botany 588.21471
Leucocytes physiology 612.112
Leucocythemia pathology 616.41
Leucocytosis
digestive physiology 612.11211
physiology 612.1126
Leucodontaceae botany 588.21532
Leucomains
physiol. of nutrition 612.398195
Leucomiaceae botany 588.21521
Leucophanaceae " 588.21471
Leucoplasts veget. cytol. 581.87334
Leucorrhea gynecology 618.17
Levant
history 956
sheep (Bovidae)
dom. animals 636.385
ship War of 1812 973.5257
Levator menti anatomy 611.7326
palati " 611.73276
palpebrae " 611.7325
scapulae " 611.73114
Levatores costarum " 611.7354
Levees city planning 711.67
hydraulic eng. 627.4
social customs 394.44
Level constant astronomy 522.36
Leveling
adjustments geodesy 526.58
methods " 526.36–.38
surveying 526.95
Lever mechanics 531.81
use of obstetrics 618.81
Levers
mot. veh. brakes 629.24672
transmission 629.24446
ordnance 623.4361
implements 623.463
Levigation
aqueous prac. chemistry 542.6
practical chemistry 542.22
Levis co., Que history 971.459
Levitation spiritism 133.922
Leviticus Bible 222.13
Levulose painting medium 751.242
Levy co., Fla history 975.977
Lewdness admin. control 351.764
Lewes, Mrs G H Eng. fict. 823.88
Lewis, M G " " 823.71
Lewis co., Ida history 979.684
Ky " 976.9295
Mo " 977.8345
NY " 974.759
Tenn " 976.843
Wash " 979.782
WVa " 975.461

Lewisham, London history 942.16
Lewiston, Ida " 979.6851
Lex mercatoria jurispr. 347.7
Lexicography & lexicology
English language 423
[3] other " —3
philology 413
Lexicons, *see* Dictionaries
Lexington
city, Ky history 976.9471
Mass, battle
Amer. revol. 973.3311
Va history 975.585
county, SC " 975.773
ship Amer. revolution 973.353
Leyczon, La Noble
Provençal poetry 849.132
Leyden sects Anabaptists 284.3
Leys d'amors, Las
Provençal poetry 849.131
Lhasa, Tibet history 951.52
Liabilities bldg laws 692.9
Liability
acts labor legislation 331.825
insurance
business 368.41
employers' economics 331.25441
to service mil. science 355.22
Liaison
military tactics 355.421
officers mil. science 355.34
Lianas veget. ecology 581.52643
Liang dynasty
502–557 Chinese hist. 951.0146
907–923 " " 951.0172
Lianghu, China history 951.21
Liao dynasties
Chinese history 951.023
Liaoning, Manchuria hist. 951.82
Liaotung peninsula, Manchuria history 951.822
Lias geology 551.76
Libby prison US Civ. war 973.7712
Libel private law 347.5
Liberal
arts degree, requirements
for univ. & col. 378.242
Catholic church 284.8
[1] **Christians Unitarianism 288**
education curriculum 375.007
professions economics 331.71
Liberalism nat. theol. 211
philosophy 148
Liberality
ethics 179.9
wealth consumption 339.43
Liberation cuttings silvic. 634.9534
Liberia history 966.6
Liberty
county, Fla history 975.992
Ga " 975.8733
metaphysics 123
of conscience
church & state 261.7
history 272
eccles. polity 262.8
interrelig. rela. 291.16
polit. science 323.442
soteriology 234.9
state ethics 172.3
press journalism 070.13
polit. sci. 323.445
will psychology 159.1
personal doc. theol. 233.7
polit. sci. 323.44
private law 347.1
Libido psychoanalysis 131.34122
Libode history 968.648
Libra occult astrology 133.522
Librarian
library government 023.4
Sunday schools 268.336
YMCA 267.342
Librarians 020.69
biography 920.2
duties, titles, etc. 023.7
hours on duty 023.6
longevity 023.58
reference & special subj. 023.73
remuneration 023.8
specialization 023.701
Librarianship
qualifications for 023.51
Libraries
adult 027.622
and politics 021.88
state 021.8
arguments for & against 021.01–.02
as series general
polygraphy 082.1
in specific fields
[2] see subject —0821
branch lib. buildings 022.15
extension 021.62
burning of 022.26
centralization & grouping 021.63

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Libraries (cont.)
church school
parochial, etc. 027.83
cooperation between 021.64
book loans 024.68
on opening & closing 024.37
education 371.64
endowed 027.4233
exchange of books, etc. 025.266
government aid 021.85
fireproof 022.24
for foreigners & racial
[1] **groups** 027.63
special classes 027.6
workmen 027.64
economics 331.85
founding of 021.7
[1] **free public** 027.4
friends of 021.79
future of 021.03
general 027
government aid to 021.83
in block, acquisition of 025.225
government units 027.65
individual, admin. of 025.18
loc., subj. div. among 025.212
mercantile 027.2–.3
of adver. organiza. bus. 659.112
parochial religion 257
[1] **private** 027.1
public
admin. regulations 351.852
interest in, devel. & maintenance of 021.7
purposes, aims, etc. 021.01
relations with muscums
library economy 021.38069
museum " 069.68
school education 371.64
[1] **library econ.** 027.8
scope, use & founding 021
special material
acquisition of 025.29
polygraphic coll'ns 080
see also Collections, Extracts
subject 026
see also names of specific types
specialization of 025.212
[1] **state, nat'l, governmental** 027.5
Sunday opening
library economy 024.4
theology 263.7
tariff exemptions
library economy 021.861
political " 337.82

Libraries (cont.)
tax or rate supported 027.4232
traveling 021.65
school education 371.642
lib. econ. 027.8224
univ. & col. lib. econ. 027.7
with art galleries 021.48
museums 021.46
Library
acquisition methods 025.22
administration 025
and conventions, etc. 021.42
home education 021.4
museum, combined
scope, usefulness & founding 021
schools 021.3
young people 021.3
as bookseller 021.26
educator 021.2
publisher 021.25
recreation 021.5
storehouse 021.1
assessments
readers rules 024.2
ass'n publishing boards 020.627
bequests, admin. of 025.111
fin. support 021.94
board, regents, etc.
lib. government 023.3
book funds by subjects 025.211
selection 025.21
books, restricted
loan privileges 024.77
rules 024.67
buildings 022
administration of 025.9
architecture 727.8
city planning 711.666
plans, design, etc. 022.3
remodeling & reconstruction 022.39
Bureau 020.65
catalogs & cataloging 025.3
bibl. 017–019
censorship
of books
loan restrictions 024.674
selection methods 025.217
news 024.58
classification 025.4
closing on special occasions 024.46–.47
commissions, state 021.82
committee
Sunday schools 268.34
construction 022.35

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Library (cont.)
correspondence
personnel & equip. 025.15
custodians, guards, etc. 025.9
dangers 022.29
department, NEA 021.306273
departments 025
deposits of books 025.269
economy 020
encouragement, soc. for 021.79
endowments, admin. of 025.111
book funds 025.211
fin. support 021.92
entertainments 021.45
exchange department 025.26
exchanges
acquisition methods 025.226
executive department 025.1
extension functions 021.6
finances, admin. of 025.11
fines lib. finances 025.113
loan rules 024.63
remission 024.73
fires 022.26
free use of 024.28
funds, admin. of 025.111
fin. support 021.9
furnishing dom. econ. 645.63
furniture
fixed 022.349
fixtures & fittings 022.9
gift lists
acquisition record 025.227
gifts financial admin. 025.111
support 021.93
government & service 023
grounds landscape art 712.58
growth, provision for 022.13
hindrances, governmental 021.88
hygiene 022.8
ideals 021.03
income, admin. of 025.111–.113
inferno
loan restrictions 024.674
institutes 021.42
insurance 022.27
league, children's 027.6251
[1] **legislation** 021.89
loans of books 024.6–7
dept 025.6
location, site, etc. 022.1
material, character of 021.16
meal time closing 024.35
for staff 023.62

Library (cont.)
meetings
general 020.63
staff privileges 023.68
relations 023.55
membership fees
administration of 025.113
financial support 021.97
museum economy 069.58
opening time 024.3–.4
paternalism 021.201
personnel 023
planning 021.03
privileges gov't aid 021.86
progress & future 021.03
publications & printing 025.12
publicity 021.74
qualifications of readers 024.1
reference department 025.5
hours of service 024.36
refreshments for public 021.5
rooms in museums 069.24
other bldgs 022.37
special 022.5–.6
rules for readers 024
school buildings 371.622
special material
acquisition of 025.29
care & use of 025.17
preservation of 025.8
staff 023.5
book loans for 024.74
hours on duty 023.6
nonprofessional 023.75–.79
professional 023.71–.74
rules & codes 023.9
statis. accession dept 025.211
subscriptions
book loan fees 025.113
privileges 024.78
financial support 021.95
Sunday schools 268.233
supervision 025.1
supplies 025.116
support 021.9
training 020.7
staff qualifications 023.532
trials & worries 023.57
users, classes of 021.28
wages, pensions, etc.
library admin. 025.115
personnel 023.8
withdrawals
accession record 025.249
book selection 025.218

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Library (cont.)
work with
children 027.625
special classes 021.28
students 027.7–.8
YMCA educational work 267.353
see also Books, Readers
Libration astron., lunar 523.33
Librettos music 781.96
operatic 782
Libreville history 967.22
Libya " 961
anc. 939.77
It. history 961.2
Libyan
desert history 961.9
languages 493.3
sheep (Bovidae)
dom. animals 636.386
Lice
(Aptera) agric. pests 632.751
(Hemiptera) " " 632.75
(Pediculidae) pathology 616.9681
plant- (Aphidae)
agricultural pests 632.7525
(Rhynchota) entomology 595.75
Liceaceae botany 589.2932
License syst. temperance 178.4
Licenses
aeronautics 629.1300037
business expenses 658.1715
commercial regulations 380.1682214
export tariff 337.33
import " 337.34
local government 352.8
maritime commerce 387.01682214
motor vehicles 629.21342
public finance 336.274
teachers' education 371.133
transit tariff 337.35
see also Concessions, Franchizes
Licensing, medical
public health 614.24
Lich gates archi. 726.96
lands. art 717.86
Lichens
botany 589.1
closed (Pyrenocarpeae)
botany 589.16
paleobotany 561.91
(Pyrenocarpeae, Gymnocarpae) botany 589.16–.17
landscape art 716.56
see also qualifying or specific terms
Lichinaceae botany 589.171
Lichtdruck process phot. 774.1
Lichtenberg history 968.29
Lichtenstein, Ulrich von
German poetry 831.28
Licking co., O history 977.154
River, Ky " 976.931
Licorice (Fabaceae) bot. 583.322
Lidner, Bengt Swed. poet. 839.7153
Lieberkühnian glands anat. 611.3415
Liechtenstein history 943.648
Liége history 949.3
siege Eur. war 940.4211
Lienal artery anatomy 611.13642
vein " 611.1494
Liens private law 347.2
Liernur system
sewerage engineering 628.213
Lierne vaulting
arched construction 721.456
Liesegang process phot. 778.66
Life
and death biology 577.24
appointment
legislative bodies 328.3351
biology 570
conditions of biology 577.4
contingencies
math. probabilities 519.5
elixir of alchemy 540.1
end of physiology 612.67
ethics 179.7
future doc. theology 237
nat. " 218
giver, God as theology 231.3
insurance, *see* Insurance, life
line palmistry 133.6432
metaphysics 128
military 355.1
molecular biology 577.23
nature of " 577.21
physiology 612.013
ontology 111
origin of biology 576
personal polit. sci. 323.43
preservers pub. health 614.867
ship outfit 623.86
properties of living matter 577
protection pub. health 614.8
rural agriculture 630.1
polit. science 323.354

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Life (cont.)
saving
public health 614.8
service
aircraft 629.13861
public health 614.868
radio in engineering 621.38419138
station libraries 027.657
transport business 656
school art anatomy 743
sedentary hygiene 613.65
suburban polit. sci. 323.353
tables insur. business 368.3
under glass botany 580.7252
urban polit. science 323.352
Lifeboats pub. health 614.867
ship outfit 623.86
shipbuilding 623.829
Lift aerodynamics 629.13233
Lifting
committee legis. 328.375
machinery mech. eng. 621.86
rams, hydraulic
mech. eng. 621.272
Lifts
book library fixtures 022.945
canal engineering 626.5
domestic economy 643.6
door & window constr'n 721.892
mech. engineering 621.87774
office equipment 651.268
school " 371.629
see also Elevators
Ligaments
anatomy 611.72
laryngeal anatomy 611.227
see also Cartilage, Joints
Ligamentum teres anat. 611.7282
Ligatures therapeutics 615.813
Light
action of mesology 612.01444
and chem. action chem. 541.35
growth botany 581.134153
shade
archi. design 729.14
color in painting 752.4
drawing 741.45
geom. perspective 515.63
graphics of
geometry, descr. 515.7
landscape art 712.26
painting 751.41
animal physiology 612.772
Light (cont.)
deflectors phot. focusing
screens 771.37
effect on plants bot. 581.52223
filters photography 771.356
forest ecology 634.94722
horses (Equidae)
dom. animals 636.12
hygiene 613.1
optics 535
photochemistry 541.35
phototherapy 615.831
play of adver. devices 659.138
polarized
optics 535.5
qualitative analysis 544.7
production
animal ecology 591.57
physiologic botany 581.12135
secretory botany 581.144
zoology 591.144
solar astronomy 523.72
sources
photography 771.44
phot. sensitometry 771.5345
stellar astronomy 523.82
terrestrial " 525.2
zodiacal " 523.59
Lightering charges, express
railways 385.132391
Lighters shipbuilding 623.8232
Lighthouse
libraries 027.657
tenders shipbuilding 623.826
Lighthouses
airport equipment 629.1365
architecture 725.976
city planning 711.763
harbor engineering 627.9
optics 535.88
public health 614.865
Lighting
accessories mus. econ. 069.33
apparatus dom. econ. 644.32
architectural plans 729.21
domestic economy 643.2
artificial lib. stacks 022.77
photography 771.443
cemeteries 718.68
darkroom photography 771.24
electric engineering 621.32
physics 537.83
engineering 628.9

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Lighting (cont.)
equipment airports 629.1365
fixtures
architecture 729.98
ceramic fine arts 738.83
fine arts 749.63
street city planning 711.68
garden planning 712.6246
gas, *see* Gas, natural; Gas works
indus. architecture 658.24
interior decoration 747.92
library buildings 022.7
lines, elec. forestry 634.93482
mediums chemic tech. 665
mining 622.47
mot. veh. equipment 629.271
museum buildings 069.29
natural library stacks 022.432
photography 771.442
panels elec. stations 621.31727
phot. preparations 770.282
prisons 365.56
school buildings 371.627
shipbuilding 623.85
studio photography 771.22
moving picture 771.295
systems dom. economy 644.3
YMCA buildings 267.32
Lightning
agricultural hindrances 632.15
arresters
central telephony 621.38794
electric lines 621.31982
stations 621.3178
telegraphy 621.38328
terminal telephony 621.38694
death by physiology 612.014425
divination 133.334
photography 771.449
physics 537.4
rods roof constr'n 721.562
shock surgery 617.12
worship comp. relig. 291.2125
Lights
and visual perception
physiology 612.84372346
psychology 152.1372346
landing aircraft 629.13518
liturgic ecclesiology 246.6
mot. veh. equipment 629.2712
table decoration 642.8
Light-sensitive dye processes photography 773.7
Lightships shipbuilding 623.826
Lignan blanc grape vitic. 634.849
Lignite geol., economic 553.22
mining 622.332
steam boiler fuels 621.18222
Lignum vitae botany 583.221
Ligula anatomy 611.8185
Ligulate lycopodiales bot. 587.91
Ligules floral anatomy 581.4632433
leaf " 581.49726
Liguliflorae botany 583.552
Liguria history 945.1
ancient 937.1
Likwala history 967.27
Lilac (Oleaceae) botany 583.71
Liliaceae botany 584.32
Liliales " 584.23
Lilioideae " 584.32
Lille, France history 944.28
European war, 1914 940.4217
1918 940.4364
Lillo, George Eng. drama 822.57
Lilongwe history 968.9741
Lily, giant (Amaryllidaceae) fiber crops 633.573
Lily-of-the-valley (Convallariaceae) botany 584.322
Lima, Ohio history 977.1421
Peru " 985
Lima bean (Fabaceae) garden crops 635.653
Limbers ordnance 623.4314
Limbic lobe anatomy 611.81314
Limbing logging 634.98243
Limbo eschatology 236.7
Limbs
artificial manufactures 685.38
surgery 617.57–.58
lower anat., regional 611.98
missing, illusions of psychology 152.736
sensations of physiol. 612.885
psychol. 152.67353
Limburger cheese dairy industry 637.3533
Limbus
infantum eschatology 236.7
patrum " 236.6
Lime
elevators architecture 725.367
fertilizers 631.821
hills, Ala history 976.123
sink reg., Ala hist. 976.128
Spanish (Sapindaceae) fruitculture 634.652

Lime (cont.)
walls archi. constr'n 721.23
water painting medium 751.244
Limeberry (Rutaceae)
fruitculture 634.342
Limelight photography 771.445
Limen psychophysics 152.82522
Limerick
history 941.94
treaty of, 1691
international law 341.2415
Irish history 941.56
Limericks lit., Amer. 811.07
Eng. 821.07
other —107
rhetoric 808.17
Limes
building industry 691.5
chemic technology 666.9
disinfection
public health 614.484
geology, economic 553.68
(Rutaceae) fruitc. 634.337
sewage precipitation 628.345
(Tiliaceae) botany 583.19
Limestone
county, Ala history 976.198
crystalline petrology 552.46
geology, economic 553.51
sedimentary petrology 552.54
sheep (Bovidae)
dom. animals 636.3256
valleys, Ala history **976.16**
Limicolae ornithology 598.33
[2] Limits of subject, see subj. —011
Limnanthineae botany 583.294
Limousin
history **944.66**
sheep (Bovidae)
dom. animals 636.3425
swine (Suidae)
dom. animals 636.445
Limpets (Gastropoda) zool. 594.3
Limping standard
financial economics 332.422
Linaceae botany 583.211
Lincecumii, vitis agric. **634.8455**
Linchwe's country hist. 968.15
Lincoln, Abraham, pres.
US history **973.7**
Lincoln
city, Neb history 978.2291
county, Ark " 976.782
Colo " 978.889
Eng. " 942.53
Lincoln (cont.)
county (cont.)
Ga history 975.8165
Ida " 979.634
Kan " 978.153
Ky " 976.9625
Me " 974.157
Minn " 977.6365
Miss. " 976.253
Mo " 977.837
Neb " **978.282**
NC " 975.678
Okla " 976.635
Ont " 971.351
Ore " 979.533
Tenn " 976.862
Wash " 979.735
WVa " 975.443
Wis " 977.527
parish, La. " 976.391
sheep (Bovidae)
dom. animals 636.3214
Lincoln's birthplace nat'l
monument, Ky history 976.971
Lincolnshire
buffs (Gallinae) agric. 636.526
cattle (Bovidae)
dom. animals 636.2224
swine (Suidae)
dom. animals 636.4245
Lincrusta bldg industry 698.8
Lindau, Paul Ger. drama 832.85
Linden
hibiscus (Malvaceae)
cordage mfg 677.71
field crops 633.564
(Liliaceae) forestry 634.9727
Lindenbast textile mfg 677.542
Lindi history 967.84
Lindley " 968.54
Lindley grape vitic. 634.84709
Line
breeding, *see*
In-and-in breeding
cutting wood engr. 761.25
drawing 741.44
electric transmission **621.3192**
engraving fine arts 765.2
Gunter's math. instr. 510.78
meridian, *see* Meridian line
Linear
cities civic arts 711.416
perspective drawing 742.4
Linen, bed dom. econ. 645.67
fabrics " " 616.12
furnishings " " 645.48

Linen (cont.)
manufactures 677.116
mills architecture 725.41211
table dom. econ. 642.7
Liners, ocean commerce 387.24
shipbuilding 623.824
Lines
aerial electric transmission 621.31922
curved geometry, descr. 515.12–.13
electric traction 621.332
geometry 513
analytic 516
descriptive 515
modern 513.51
solid 513.31
intersecting geometry 513.12
palmistry 133.643
parallel geometry 513.13
right
geometry 513.11
Cartesian
loci in space 516.31
plane loci 516.11
straight geom., descr. 515.11
wired radio 621.3841574
Ling, P H Swed. poetry 839.7161
Lingette cotton mfg 677.2164
Lingual
artery anatomy 611.13322
nerve
anatomy 611.83156
physiology 612.8195
of taste 612.875
psychology " " 152.415
Linguatulida zoology 595.41
Linguistics 400
Linguists 406.9
biography 924
Linin network
vegetable cytology 581.87322
Linings
masonry mining 622.28
mineral wool masonry 693.67
watertight mining 622.56
Link motions mech. eng. 621.84
Linked systems radio 621.384156
Links, illuminating ordn. 623.45441
mot. veh. brakes 629.24673
Linlithgow history 941.44
Linn co., Ia history 977.762
Kan " 978.169
Mo " 977.824
Ore " 979.535
Linnaean system botany 580.12
zoology 590.12
Linne, Carl von Swed. lit. 839.7842
Lino-cuts engraving 761.3
Linoideae (Linaceae) bot. 583.211
Linoleum
domestic economy 645.1
engraving fine arts 761.3
manufactures 677.68
office furnishing 651.2411
Linotype newspapers 070.3222
printing 655.28
Linsang (Viverridae)
mammalogy 599.74422
Lintel courses
wall constr'n 721.25
Lintels archi. constr'n 721.862
Linton Forest sheep (Bovidae) domestic animals 636.3252
Linum (Linaceae)
field crops 633.52
Lions (Felidae) mammal. 599.74428
River history 968.45
Lip reading educ. of deaf 371.912
Lipase and pancreatic digestion physiology 612.3423
Lipoids
chemistry of blood 612.123
physiology of nutrition 612.3978
Lipolytic ferments
botanic chemistry 581.193442
metabolism, physiologic 612.3973
physiologic chemistry 612.01514
Lippe history 943.55
Lippi, Lorenzo It. wit 857.54
Lippman process phot. 778.64
Lipps
hearing theory physiol. 612.8501662
psychol. 152.201662
space perception theory
psychology 152.75201645
Lips anatomy 611.317
and speech physiol. 612.7892
Liquefaction
of gases physics 533.2
prac. chem. 542.79
thermology 536.42
Liquid
air physics 533.2
fuel heating prac. chem. 542.43
treatment " " 542.6
Liquidambaroideae (Hamamelidaceae) botany 583.394

Liquidation bus. method 658.167
public debt 336.36
Liquids
hydraulics 532
properties of chem. 541.32
solubility of " 541.3442
volumetric analysis 545.6
Liquor
laws admin. control 351.761
temperance 178.4
tax public finance 336.2786635
Liquors
chemic technology 663
hygiene 613.81
state inspection 614.341–.345
traffic in temperance 178.4
Liriodendron (Magnoliaceae)
botany 583.114
Lisbon history 946.94
Liscow, C L German wit 837.54
Lissajous figures
radio measurements 621.38417127
Lissauer, tract of anat. 611.8255
Lissocarpaceae botany 583.6864
List system suffrage 324.224
Listan grape viticulture 634.8546
Listerellaceae (Endosporeae)
botany 589.2932
Listing
machines office equip. 651.26411
security stock exchange 332.63
Lists
civil administration 351.2
electoral suffrage 324.241
inventory, in specific
[2] fields see subject —0838
legislative polit. sci. 328.338–.339
membership, in specific
[2] fields see subject —06
see also Catalogs
Litanies sacred music 783.26
Litany Catholic ritual 264.023
Greek " 264.0193
Prot. Epis. " 264.033
etc.
Litchfield co., Conn hist. 974.61
Litchi (Sapindaceae)
nuciculture 634.571
Literacy tests
immigration limitations 325.154
Literal vowel expression
shorthand systems 653.771
Literary
addresses, in specific
[2] fields see subject —04
Literary (cont.)
clubs self-education 374.23
coll'ns, *see* Collections, lit.
composition rhetoric 808
contests, interschool 371.535
esthetics & art of criticism 801
frauds & forgeries 809
[1] **history bibliography** 015
holidays soc. customs 394.2648
instit. univ. & col. 378
men biography 928
methods & labor-savers
library economy 029
parallelism Bible 220.88
periodicals journalism 070.488
property copyright 655.6
private law 347.3
see also Copyright
questions & answers 807.6
style rhetoric 808
Literature 800
and children psychology 136.748
crime sociology 364.254
cats in agriculture 636.88
classic 880
delineation of
children psychology 136.758
women sociology 396.8
department journalism 070.448
dialect 808.89
dogs in agriculture 636.78
history of 809
immoral ethics 176.8
juvenile library econ. 028.5
polyglot 808.8
racial 808.898
revival of lit. hist. 809.03
Lithium chemistry 546.34
Lithographic
printing presses
manufactures 681.6252
typography 655.31
Lithographs engraving 769.63
Lithography " 763
Litholatry comp. relig. 291.2121
Lithology, *see*
Petrography, Petrology
Lithophytes
(Anthozoa) zoology 593.6
benthic veget. ecology 581.526323
zeric " " 581.52654
Lithotomy surgery 617.46
Lithozincography engr. 763.24
Lithuania history 947.5
[4] **Lithuanian language** 491.92

Litopterna mammalology 599.65
paleozoology 569.65
Litter forest products 634.98984
Little, Thomas, *pseud.*
English poetry 821.75
Little
America history 999
Belt & President, ships
US history 973.51
Black Mt, Ky descr. 917.69154
Blue River, Neb hist. 978.231
church of France
[1] **Catholic schisms 284.83**
grape vitis aestivalis
agriculture 634.8451
Kanawha valley, WVa
history 975.42
Lost River Mts, Ida hist. 979.659
Rhody (RI) history 974.5
River co., Ark " 976.755
Rock, Ark " 976.7731
Russia, *see* Ukraine
sisters of the poor
religious orders 271.95
theaters architecture 725.822
Littleton, Mark, *pseud.*
American fiction 813.32
Littoral rights land econ. 333.91
Littorina (Prosobranchia)
fishery 639.4
Littré's glands anatomy 611.6234
Liturgic
music fine arts 783.2
prayer pub. worship 264.1
services comp. relig. 291.3
theology 264
symbolism ecclesiology 246.6
Liturgy Catholic ritual 264.025
Greek " 264.0195
Prot. Epis. " 264.035
etc.
Liuchiu islands history 952.81
Live stock
agriculture 636
care of zootechny 636.083
insurance business 368.5
loan companies
fin. economics 332.311
loans fin. economics 332.71
markets architecture 725.27
Live-forever (Crassulaceae)
botany 583.39
Liver
anatomy 611.36
and absorbed foods
physiology 612.352
degeneration of physiol. 612.3592
line palmistry 133.6432
morphology physiology 612.359
pathology 616.36
physiology 612.35
removal of physiology 612.359
sugar of " 612.35211
temperature of " 612.355
volume of " 612.3591
Liverpool history 942.72
Liverworts
botany 588.3
great (Marchantiales) 588.33
Livery
stables architecture 725.388
trimmings for mfg 677.76
uniforms dom. economy 647.2
Lives biography 920
Living
and dead matter biol. 577.22
cost of, *see* Cost of living
matter, properties of 577
room furnishing
domestic economy 645.65
standards labor econ. 331.83
statuary recreation 793.24
wage economics 331.2154
Livingston, William
American poetry 811.15
Livingston co., Ill hist. 977.361
Ky " 976.9895
Mich " 977.436
Mo " 977.822
NY " 974.785
parish, La. " 976.314
Livius
Andronicus, Lucius
Latin drama 872.1
Titus Lat. literature 878.4
Livonia history 947.4
[4] **Livonian language 494.546**
Livres à clef 098.5
Liwonde history 968.9765
Lixiviation prac. chem. 542.61
Lizard state (Ala) hist. 976.1
Lizard's-tail (Saururaceae)
botany 583.9252
Lizards (Lacertilia)
herpetology 598.11

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Ljunggren, G H J
Swedish essays 839.7465
Llama (Cameloidea)
domestic animals 636.296
Load
bridge engineering 624.172
floor library stacks 022.438
foundational architecture 721.11
Loader rifles ordnance 623.44232
Loaders, hay- agric. 631.3533
Loading
charges, express
railways 385.132391
surface min'g transport 622.69
telephony 621.38785
textile process 677.02824
see also special fibers
Loadstone, *see* Lodestone
Loan
funds, students'
univ. & col. 378.362
instit. fin. econ. 332.3
Loanda history 967.32
Loango " 967.25
Loangwa
East, region history 968.968
North, " " 968.963
region history 968.958
West, region history 968.967
Loans
book, *see*
Library loans of books
building, cooperative
polit. economy 334.1
by gov't pub. finance 336.15
financial economics 332.7
poor relief 362.536
public polit. economy 336.3
without interest
fin. economics 332.73
Loasaceae botany 583.453
Lobbies church archi. 726.591
Lobbying
employers' economics 331.8948
legislative bodies 328.368
workmen's economics 331.8938
Lobed arches
architectural constr'n 721.427
Lobelia pharmacy 615.323591
toxicology 615.98
Lobeliaceae botany 583.591
Lobes, cerebral anatomy 611.8131
Lobor history 967.615
Lobsters (Macrura) fishery 639.5
Local
ass'ns, soc., etc., in
[2] specific fields see subj. —0623–9
finance & taxation admin. 352.1
forest policy agric. 634.92525
government
depts and city plan.
civic arts 711.173
of England 352.042
Europe 352.04
France 352.044
Gallia Cisalpina 352.0372
Germany 352.043
United States 352.073
Yukon 352.07121
etc.
sociology 352
interests journalism 070.433
option temperance 178.4
passenger rates
railways 385.132233
school supervision
education 379.153
taxation public admin. 352.1
taxes public finance 336.28
transit city planning 711.7
sociology 388
[1] **treatment literature** 808.899
in specific fields
[2] see subject —093–099
univ. & col. pub. educ. 379.16
Localization of objects
psychology 152.752
Localizations, cerebral, *see*
Cerebral localizations
Location
and quarters, viewpoint, in
[2] specific fields see subj. —006
business management 658.112
of factories eng. 621.701
road engineering 625.72
Loci
in space
geom., Cartesian 516.3
plane " analytic 516.1
Locke
D R American wit 817.42
John English essays 824.4
philosophy 192.2
Lockers school equipment 371.631
Locking up printing 655.27
Lockjaw pathology 616.854
surgery 617.27
Lockouts capital & labor 331.895

Locks
and keys factories
architecture 725.437
architecture 725.34
canal engineering 626.4
door & window constr'n 721.88
design 729.388
landscape art 714.5
motor vehicle equipment 629.275
nut railway eng. 625.15
Locksmithing trades 683
Lockups architecture 725.62
prisons 365.34
Locomotion
anatomy, comparative 591.47
and nervous system
physiology of
invertebrates 612.8293
autonomic botany 581.1866
organs of pathology 616.7
paratonic botany 581.1834
physiology 612.76
psychology 158.82
see also Motor apparatus
Locomotive
classification
steam engineering 621.1323
cranes mech. eng. 621.875
engine steam " 621.134
organs physiology 612.767
sheds architecture 725.33
tests steam eng. 621.1313
types of Australia " 621.132994
Belgium " 621.1329493
US " 621.132973
etc.
steam " 621.132
wiring elec. traction 621.3345
Locomotives
compound steam eng. 621.1344
compressed air engines 621.42
electric traction 621.3342
pneumatic engineering 621.545
steam " 621.13
Locomotor ataxia diseases 616.83
Locris history, ancient 938.3
Locus cosmology 114
Locust tree (Fabaceae) bot. 583.322
Locustidae entomology 595.728
Locusts
(Homoptera) agric. pests 632.7531
migratory (Acrididae)
agricultural pests 632.727
see also Cicadas, Crickets, Grasshoppers
Lodestone geol., econ. 553.3
magnetism 538.1
Lodges, cemetery archi. 726.81
Lodging
houses
architecture 728.27
domestic economy 647.94
hygiene of dwellings 613.52
military administration 355.67
Lodgings
charity 362.52
laboring classes 331.833
military establishments 355.71
student life 371.87
Lodz Eur. w., 1914, Oct. 940.4223
history 943.8
Russia 947.5
Lodz-Cracow battle Eur. w. 940.4224
Loeillade grape vitic. 634.8544
Lönberg, Jens Dan. drama 839.81235
Loess
and drift area, Neb
history 978.21
canyons sect., Neb. hist. 978.281
hills " " " 978.25
plains, " " 978.23
Loewenthal's column anat. 611.8256
Loft buildings archi. 725.233
Log driving forestry 634.982543
grading " 634.9826
making " 634.9824
measurement " 634.92856
Mountain, Ky descr. 917.69154
sorting forestry 634.9826
Logan co., Ark history 976.737
Colo " 978.875
Ida " 979.632
Ill " 977.357
Kan " 978.1135
Ky " 976.976
Neb " 978.2795
O " 977.146
Okla " 976.633
WVa " 975.444
Loganberry (Rosaceae)
fruitculture 634.714
Loganiaceae botany 583.74
Logansport, Ind history 977.286
Logarithmic
calculators
office equipment 651.2643
decrement
radio circuits 621.384123
instruments mfg 681.143

Logarithmic (cont.)
law psychophysics 152.82142
tables mathematics 510.83
Logau Friedrich von
German poetry 831.53
Logbook
avigation 629.13254
school enrolment 371.21
transport business 656
Logging
forestry 634.982
hand forestry 634.98256
manufactures 674
Logia pseudepigrapha 229.951
Logic 160
Logistics military science 355.41
Logomachy games 793.71
Logone history 967.17
Logos Christology 232.2
Logotypes printing 655.23
Logrolling
legislative procedure 328.3745
Logs forest products 634.9832
speed ship outfit 623.86
Lohenstein, D C
German drama 832.52
Loire history 944.581
Loire basin sheep (Bovidae)
dom. anim. 636.344
Loire-Inférieure history 944.14
Loiret " 944.52
Loir-et-Cher " 944.53
sheep (Bovidae)
dom. anim. 636.3449
Lolium (Hordeae) field crops 633.263
Lollards Wyclifites 289.9
Lomagundi history 968.939
Lomami River " 967.58
Lombard kingdom It. " 945.01
Lombards financial econ. 332.33-.34
history, ancient 936.35
Lombardy " 945.2
Lomie " 967.14
London
bridge children's games 796.14
England history 942.1
Eur. w., air raids 940.444-.447
Ontario history 971.326
treaty of, 1794
international law 341.273
US history 973.43
Londonderry history 941.62
Lone Star
state (Tex) " 976.4
Long co., Ga history 975.876
distance transmission
telephony 621.38782
Island, NY
battle Amer. revol. 973.3322
history 974.721
Point island hist. 971.336
Longbow archery 799.32
Longcloth cotton mfg 677.2164
Longerons
aircraft constr'n 629.13437
Longevity
biology 574.139
demography 312.2
insurance business 368.3
math. probabilities 519.5
of living organisms biology 577.73
physiologic botany 581.139
zoology 591.139
physiology 612.68
public health 614.13
Longfellow H W Amer poet. 811.34
Longford history 941.81
Longhand
analysis shorthand 653.121
brief abbreviations 653.24
Longhorns
Eng. (Bovidae) dom. anim. 636.2268
Texas " " " 636.2821
Longipennes ornithology 598.42
Longissimus anatomy 611.73136
Longitude
and earth surface
irregularities
geodesy 526.64
latitude
geocentric astron. 521.26
heliocentric " 521.25
variations of " 521.28
determinations geod. 526.62
finding astronomy 525.46
navigation 527.2
latitude-azimuth formulas
geodesy 526.46
Longitudinal
arches archi. constr'n 721.425
V airplane engineering 629.13516
Long-
leaf pine region, Miss.
history 976.25
running squash (Cucurbitaceae) garden crops 635.622
Longs Peak, Colo descr. 917.8869

Longsightedness
see Farsightedness
Longus capitis anatomy 611.7337
colli " 611.7336
Danish literature 839.81811
Lonk sheep (Bovidae)
domestic animals 636.3254
Lonoke co., Ark hist. 976.778
Loo-choo islands " 952.81
Looking glasses, *see* Mirrors
Lookout
Butte, Neb history 978.299
Mt, Tenn, battle, 1863
US Civ. war 973.7359
history 976.882
Mts, Ga " 975.834
towers forest eng. 634.9347
Looming textile process 677.02824
see also special fibers
Looms textile equipment 677.02854
Loon (Pygopodes) ornithol. 598.44
Loop terminals railways 385.36
Looseleaf books
office records 651.5135
publishing 655.53
Loosestrife (Lythraceae) bot. 583.441
Loosjes, A P Dutch fict. 839.31351
Looting military science 355.133
Loots, Cornelis
Dutch poetry 839.31153
Lope de Vega Sp. drama 862.31
López de Ayala, Pedro
Spanish poetry 861.21
Island, Wash hist. 979.774
Lophiodontidae mammalogy 599.7274
paleozool. 569.7274
Lophiostomataceae bot. 589.2351
Lophobranchii ichthyology 597.53
Lophophytoideae
(Balanophorineae) bot. 583.947
Lopseed (Phrymaceae) " 583.873
Loquat (Rosaceae) fruitcult. 634.16
Lorain co., O history 977.123
Loranthineae botany 583.941
Lord
Howe Island history 994.8
of misrule soc. customs 394.2625
Lord's
day Sabbath 263.3
prayer Bible 226.9
supper Christology 232.957
sacraments 265.3
Lords
house of Eng. legis. 328.42
legislative bodies 328.335
Lorelei folklore 398.4
Lorenzo il Magnifico
Italian poetry 851.23
Lorraine history, France 944.38
Germany 943.45
see also Alsace-Lorraine
Lorris, Guillaume de
French poetry 841.18
Lory (Psittacidae) ornithol. 598.71
Los Angeles co., Calif.
history 979.493
Loss leaders advertizing 659.16
Losses and prices
production 338.52
Lost River Mts, Ida hist. 979.672
Lot history 944.73
sheep (Bovidae)
domestic animals 636.3466
Lotbinière co., Que hist. 971.458
Loteae (Fabaceae) field crops 633.374
Lot-et-Garonne history 944.76
Lothians, the " 941.44
Lothaire 1 German " 943.01
2 " " 943.023
Lothringen, *see* Lorraine
Lots, cemetery
landscape art 718.5
city planning 711.633
divinatory psychol. 133.332
for cultivation
poor relief 362.57
house lands. art 712.642
Lotteries
administrative control 351.762
advertizing 659.17
ethics 174.6
financial economics 332.68
newspaper
circulation increase 070.338
Lottery loans pub. fin. 336.381
Lotto games 795.3
Lotus, honey- (Fabaceae)
field crops 633.366
(Nymphaeaceae) bot. 583.118
Lotze
R H philosopher 193.8
space perception theory
psychology 152.752016322
Loubal grape viticulture 634.8544
Loubet, Emile presidency 944.08
Loud speakers radio 621.38413643
Loudon co., Tenn hist. 976.886
Loudoun co., Va " 975.528
Louhans fowls
(Gallinae) agriculture 636.544

Louis
6 French history 944.022
7 " " 944.022
8 " " 944.023
9 " " 944.023
history, Crusades 940.188–.189
10 French history 944.024
11 " " 944.027
12 " " 944.027
13 " " 944.032
14 " " 944.033
15 " " 944.034
16 " " 944.035
architecture 724.244035
18 Fr. hist., 1814–15 944.05
1815–24 944.061
Napoleon French hist. 944.07
Philippe " " 944.063
see also Ludwig
Louisa co., Ia history 977.7926
Va " 975.5465
Louisburg, NS
capture of, 1758 US hist. 973.26
history 971.695
Louisiana
grape viticulture 634.8452
purchase, 1803 US hist. 973.46
state, admission " " 973.51
history 976.3
see note under Virginia
secession US hist. 973.713
territory, US " 978
wild life refuge descr. 917.6351
Louisine silk industry 677.4164
Louisville, Ky history 976.9441
Lounges artistic furn. 749.32
Lounging gowns dom. econ. 646.47
Loup
county, Neb hist. 978.2767
River area, " " 978.24
Loups-garous occultism 133.14
Lourenço Marques hist. 967.99
Louse-fly (Pupipara)
entomology 595.774
Louth history 941.825
Louvain European war 940.4212
Louvers roof openings 721.558
shutters 721.872
Love
county, Okla history 976.659
divine doc. theol. 231.6
ethics 177.6
feasts pub. worship 264.8
psychology of emotions 157.3
Love (cont.)
religious emotion 291.12
seats dom. econ. 645.42
Lovejoy, E P, murder of
1837 US Civ. war causes 973.7114
history 973.57
Lovelace, Richard
English poetry 821.45
Lovelcy co., Ark hist. 976.714
Low Archipelago " 996.3
countries " 949.2
[4] **Dutch language** 439.31
frequency
see Frequency, low
German
[4] **languages** 439.1
[4] **(Plattdeutsch) philol.** 439.4
Latin language 479
license temperance 178.4
pressure engines
steam engineering 621.11252
Lowa history 967.56
Lowell, J R Amer. poet. 811.37
Lower
extremities
anatomy, regional 611.98
bones of anatomy 611.718
joints of " 611.728
muscles of " 611.738
surgery 617.58
house legis. bodies 328.32
red seaweeds
(Nemalionales) bot. 589.416
Lowioideae (Musaceae) bot. 584.214
Lowndes co., Ala history 976.1465
Ga " 975.8864
Miss. " 976.297
Lowside windows
architectural constr'n 721.845
Loxsomaceae botany 587.3129
Loyal legion of the US
Mil. order of the 369.152
volunteers, Soc. of 369.153
Loyalists Amer. revol.
Canadian history 971.024
United States " 973.314
Loyalty islands " 993.3
political science 320.158
social psychology 301.1522
state ethics 172.1
Loyang, China history 951.18
Lozère " 944.81
Luangwa, *see* Loangwa

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Luapula
  River history 968.961
  Upper, River, dist. hist. 967.59
Lubartow European war 940.4252
Lubricants
  chemic technology 665
  motor vehicle engines 629.2557
Lubricating system
  motor vehicles 629.255
Lubrication
  clockwork 681.1125
  locomotive engineering 621.1345
  mechanical " 621.89
  motor vehicles, care of 629.2884
  running gear
    railway engineering 625.21
Lubricators
  steam engineering 621.1977
  textile equipment 677.02851
    see also specific fibers
Lucanus, M A
  Latin epic poetry 873.2
Lucarns roof constr'n 721.556
Lucas co., Ia. history 977.786
  O " **977.112**
Lucayos " 972.96
Luce co., Mich " 977.4925
  de Lancival, J C J
    French poetry 841.64
Lucernariidae zoology 593.74
Lucerne (Fabaceae)
  field crops 633.31
Lucernes roof constr'n 721.554
Luchu islands history 952.81
Lucianus Samosatensis
  Greek classics 888.7
Lucidity, psychic
  clairvoyance & clairaudience 133.830161
Lucidor, L J Swed. poet. 839.7132
Lucile grape viticulture 634.847
Lucilius
  Caius Latin wit 877.1
  Junior " poetry 871.7
Lucknow history 954.2
Lucretius Carus, Tetus
  Latin poetry 871.1
  philosopher 187
Lucuma mammosa
  (Sapotaceae) fruitculture 634.432
Luderitz Bay history 968.82
Ludwig 1 German " 943.01
  2 " " 943.021
  3 " " 943.021
  4 " " 943.026
    see also Louis
Ludwigslied Ger. poet. 831.13
Lübeck history 943.17
Luffa (Cucurbitaceae)
  garden crops 635.627
Luggage, *see* Baggage,
  Leather and leather goods
Lugworm (Oligochaeta) zool. 595.16
Luis de Granada Sp. lit. 868.32
Luke, gospel of 226.4
Lull, Ramón Catalan poet. 849.9111
Lullabies folklore 398.8
  vocal music 784.4
Lulonga River history 967.54
Lulua " " 967.59
Lumbago pathology 616.74
Lumbar arteries anat. 611.1362
  cord " 611.8214
  lymph glands " 611.4651
  nerves " 611.835
  plexus " 611.8354
  region " 611.959
  veins " 611.1461
Lumber
  building industry 691.1
  forest products 634.984
  manufactures 674
  measurement forestry 634.92857
  mills architecture 725.441
  wagons agriculture 631.3735
Lumbered areas and plant
  succession botany 581.524343
Lumbering forestry 634.98
Lumbermen
  YMCA work with 267.369
Lumbosacral cord anat. 611.83568
  joints " 611.7216
  muscles " 611.7313
  plexus " 611.8353
Lumbricales of foot " 611.7389
  hand " 611.73771
Lumbwa history 967.62
Lumière process
  autochrome photography 778.66
  cobalt " 772.27
Luminescence
  physiologic botany 581.12135
Luminescent adver. bus. 659.136
Luminism painting schools 759.914
Luminography photography 778.1
Luminosity measurements
  phot. sensitometry 771.5345
Luminous phot. f. arts 778.8
Lummi Indian reservation
  Washington history 979.773
Lumpkin co., Ga history 975.8273

Luna line palmistry 133.6432
mount " 133.642
Lunacy legal capacity 347.1
medicine 616.8
psychology 132.1
Lunar
astronomy 523.3
caustic therapeutics 615.775
meth. in longitude finding
astronomy 525.49
phases astronomy 523.32
Lunatic asylums sociology 362.2
Lunatum anatomy 611.71772
Lunch
hour office economy 651.422
rooms
architecture 725.71
cookery 641.572
domestic economy 647.95
industrial archi. 658.237
laboring classes 331.835
library bldgs 022.684
office " 651.16
pupils' child welfare 362.761
school bldgs 371.625
table systems 642.57–.58
working conditions 331.827
Luncheon cookery 641.53
Lunches
school education 371.716
travel dom. econ. 642.3
Lunda history 967.36
Lundy's Lane, Ont battle
1814 US history 973.5237
Lunenburg co., NS hist. 971.623
Va " 975.564
Lunet windows
architectural constr'n 721.845
Lung
fever pathology 616.241
fish (Dipnoi) ichthyol. 597.48
Lungkiang, Manchuria hist. 951.84
Lungs
absorption
by physiology 612.385
of liquids in physiol. 612.2159
admin. of medicines by
therapeutics 615.64
anatomy 611.24
and loss of
heat physiology 612.523
vapor " 612.25
capacity of
respiration 612.24
Lungs (cont.)
innervation of physiol. 612.28
pathology 616.24
physiology 612.2
Lupin (Fabaceae)
field crops 633.367
Lūpin, Manchuria hist. 951.84
[4] **Lusatian language** 491.88
Luschka
foramina of anatomy 611.8185
villi of " 611.8193
Luschka's tonsils " 611.324
Lushan, China hist. 951.222
Lūshunkow, Manchuria " 951.822
Lusikisiki " 968.645
Lusitania
history 946.9
steamship
Eur. w. nav. operations 940.455
submarine
warfare 940.4514
Luster ware pottery 738.34
Lusterers textile equip. 677.02854
Lustering
chemic textile process 677.02827
mechanical
textile fabric " 677.02824
yarn " 677.02822
see also special fibers
Lusters architecture 729.98
Lute music 787.6
Luther church history 270.6
Lutheran
[1] **church** 284.1
confession doc. theol. 238.41
doc. of grace soteriol. 234.112
Lutherns roof constr'n 721.556
Lutie grape viticulture 634.847
Luting practical chem. 542.26
Lutrinae mammalogy 599.744478
Lutsk European war 940.4277
Luvwa River history 968.961
Luxemburg
grand-dutchy history 949.3
house of Ger. " 943.026
invasion European war 940.4211
Luxograph photography 771.448
Luxor history 962.33
Luxotypes photography 777.3
Luxuries taxation 336.2713
Luxury
and health hygiene 613.88
ethics 177.4
wealth consumption 339.45
Luys, nucleus of anat. 611.8141

Luzern swine (Suidae)
domestic animals 636.431
Luzerne co., Pa history 974.832
Luzuriagoideae
(Liliaceae) botany 584.32
Lwów Eur. w., 1914 940.4225
1915 940.4253
history 943.74
Lycanthropes occultism 133.14
Lycanthropy medicine 616.895
psychology 132.195
sorcery 133.42
Lycées, Fr. admission 371.21344
pub. schools 379.44
elementary 373.44
Lyceum philosophy 185
Lyceums architecture 727.97
self-education 374.23
Lychee (Sapindaceae) nucic. 634.571
Lycia history, ancient 939.28
Lycinian laws land econ. 333.0937
Lycogalaceae
(Endosporeae) botany 589.2932
Lycoming co., Pa hist. 974.851
Lycoperdineae botany 589.2217
Lycopersicum (Solanaceae)
garden crops 635.64
Lycophron Greek poetry 881.3
Lycopodiaceae botany 587.922
Lycopodiales " 587.9
Lycopodineae " 587.92
Lycopodiums (Lycopodiaceae)
landscape art 716.56
Lycurgus Greek oratory 885.8
Lyddite chemic tech. 662.2
Lydenburg history 968.25
Lydgate, John Eng. poet. 821.21
Lydia history, ancient 939.22
Lyer-Müller illusion
physiology 612.84374153
psychology 152.1374153
Lygeum spartum
(Agrostideae)
cordage manufactures 677.71
fiber crops 633.583
textile manufactures 677.542
Lyginodendraceae botany 585.967
paleobot. 561.5967
Lyginopterideae " 561.5967
Lying
ethics 177.3
pathologic psychology 132.74
Lying-in-hospitals
architecture 725.515
sociology 362.15
Lyly, John Eng. fict. 823.3
Lymph heart physiology 612.424
histology 611.01857
Lympathic
ducts anatomy 611.424–.425
glands " 611.46
system " 611.4
pathology 616.4
physiology 612.42
surgery 617.44
Lymphocytes physiology 612.112
Lynch law criminal law 343
Lynchburg, Va
campaign, 1864
US Civil war 973.7369
history 975.5671
Lyndsay, David Eng. poet. 821.26
Lyngbyaceae botany 589.83
Lynoscopes
window construction 721.845
Lyon co., Ia history 977.711
Kan " 978.162
Ky " 976.981
Minn " 977.636
Lyonnais " 944.58
Lyons co., Neb " 978.297
history 944.582
Lyre music 787.5
Lyric drama, *see* Opera
execution music 781.6327
poetry
Greek classics 884
Latin literature 874
literature, Amer. 811.04
Eng. 821.04
[3] other —104
rhetoric 808.14
Lys River
Eur. w., 1918 940.4342
valley
Belgium
Eur. w., 1914 940.4213
France
Eur. w., 1914 940.4217
salient Eur. w. 940.4356
Lysias Greek oratory 885.2
Lyskander, C C Dan. lit. 839.8183
Lythraceae botany 583.441
Lytton, E G B Eng. fict. 823.84

M

M roofs archi. constr'n 721.585
Mabie, H W Amer. essays 814.43
Mabunda history 968.951
Macadam roads engineering 625.86
McAlester, Okla history 976.6751
Macao, China " 951.26
Macaronics
see Humor and satire
Macassar history 991.2
Macaulay, T B Eng. essays 824.83
Macaw (Psittacidae)
ornithology 598.71
Maccabees Apocrypha 229.7
McClain co., Okla hist. 976.655
McCook, Neb " 978.2841
McCormick co., SC " 975.736
McCosh, James philos. 191.5
McCracken co., Ky hist. 976.995
McCreary co., Ky " 976.9135
McCurtain co., Okla " 976.664
McDonald co., Mo " 977.8736
McDonough co., Ill " 977.342
process phot. 778.66
McDougall school
depth psychology 153.822
McDowell co., NC hist. 975.689
WVa " 975.449
McDuffie co., Ga " 975.863
Mace (Myristaceae)
field crops 633.834
Macedonia
history 949.7
ancient 938.1
ship War of 1812 973.5251
Macedonian
Greek language 487.81
literature 889
sheep (Bovidae) dom. anim. 636.373
supremacy Greek hist. 938.07
Macedo-Rumanian language 459.7
literature 859
Maceration prac. chem. 542.61
Machakos history 967.65
McHenry
county, Ill " 977.322
Fort, bombardment, 1814
US history 973.5238
Machiavelli, Niccolò
Italian drama 852.31
essays 854.31
Machine
civilization economics 330.903
design engineering 621.81
engraving fine arts 768
factories architecture 725.435
gearing mech. eng. 621.85
gun mounts ordnance 623.4313
gunners infantry 356.16
guns ordnance 623.4224
sheds
architecture 728.958
farm economics 631.25
shops
architecture 725.433
engineering works 621.75
school buildings 371.623
shorthand mech. writ'g 653.3
tools " eng. 621.9
mot. veh. mfg 629.23419
written records office files 651.523
Machinery
agricultural reclamation 631.65
alternating current
electric engineering 621.3133
and safety pub. safety 614.838
asynchronous elec. eng. 621.3136
care of indus. manage. 658.581
conveying mech. eng. 621.86
direct current
electric engineering 621.3132
dredging hydraulic eng. 627.7
farming 631.3
hoisting mech. eng. 621.86
hydraulic " " 621.26
in industry production 338.45
irrigating agriculture 631.78
kitchen equipment 643.34
logging forestry 634.9823
mechanical engineering 621
of transmission agric. 631.37
owning societies
cooperation 334.63
pneumatic engineering 621.5
polyphase elec. eng. 621.31332
self-propelled
combustion engines 621.4383
synchronous elec. eng. 621.3134
Machines
acyclio " " 621.313291
digging farm tools 631.3115

Machines (cont.)
distributing printing 655.28
electrostatic physics 537.23
fanning agriculture 631.3622
for manual work mfg 681.7
hydraulic physics 532.8
infernal chem. tech. 662.2
logical philosophy 164
magnetic physics 538.8
mechanics 531.8
modulus of mechanics 531.43
printing equipment 655.36
radio manufactures 621.3841824
refrigerating eng. 621.57
textile business 677.0285
see also special fibers
typesetting printing 655.28
washing laundry bus. 648.23
Machinists' occupations
hygiene 613.66
McIntosh co., Ga hist. 975.8737
Okla " 976.674
McKean co., Pa " 974.863
Mackenzie
George English fiction 823.43
Henry " " 823.65
River nat'l forest, Ore.
description 917.9531
territory history 971.22
Mackerel (Acanthopterigii)
ichthyology 597.58
Mackinac co., Mich hist. 977.492
McKinley, William, pres.
US history 973.88
Mackintosh, James
English essays 824.71
McLean co., Ill history 977.359
Ky " 976.9826
Maclear " 968.638
McLeod co., Minn " 977.652
McMahon, M E P M de
presidency 944.08
McMinn co., Tenn hist. 976.8865
McNairy co., " " 976.829
McNeale co., Neb " 978.2535
Macomb co., Mich " 977.439
Macon, city, Ga " 975.8551
co., Ala " 976.149
Ga " 975.851
Ill " 977.358
Mo " 977.827
NC " 975.698
Tenn " 976.8484
Maconnaise grape vitic. 634.8544
Macoupin co., Ill hist. 977.383
Macpherson, James
English poetry 821.66
McPherson co., Kan hist. 978.155
Neb " 978.279
McPike grape viticulture 634.847
Macrolepidoptera
(Heterocera) entomology 595.783
Macrophotography f. arts 778.13
Macrosporogenesis bot. 581.323
Macrura zoology 595.3841
Macula lutea anatomy 611.843
Mad chair
prison punishments 365.644
houses asylums 362.2
Madagascar history 969.1
" **language 499.214**
Madapollam cotton mfg 677.2164
Madawaska co., NB hist. 971.554
Madder (Rubiaceae) botany 583.52
Madeira islands history 946.98
Madenassa " 968.13
Madera co., Calif. " 979.481
Madison
James, pres. US " 973.51
Madison, city, Wis " 977.584
co., Ala " 976.197
Ark " 976.715
Fla " 975.985
Ga. " 975.815
Ida " 979.655
Ill " 977.386
Ind " 977.257
Ia " 977.781
Ky " 976.953
Miss. " 976.262
Mo " 977.891
Neb " 978.254
NY " 974.764
NC " 975.6875
O " 977.155
Tenn " 976.827
Va " 975.538
parish, La. " 976.381
Madiville " 967.23
Madness medicine 616.8
psychology 132.1
Madoc American history 973.14
Madonna
in art 704.9484
ecclesiology 246
painting 755.5
legends Mariology 232.9310883
see also Mary, Virgin

Madras hemp (Fabaceae)
field crops 633.562
history 954.8
Madreporaria zoology 593.66
Madrid history 946.4
Madrigal vocal music 784.1
[4] Maduran language 499.224
Maesoideae
(Myrsinaceae) botany 583.677
Mafeking history 968.789
Maffei, F S It. drama 852.56
Mafia island history 967.816
Magalhaens (Magallanes)
see Magellan
Maganetawan dist. hist. 971.315
Magazine
cameras photography 771.3132
guns ordnance 623.4224
illustration drawing 741.65
Mount, Ark description 917.6737
rifles ordnance 623.44231
Magazines
advertizing in bus. 659.1327–8
architecture 725.187
general 050
journalism 070.48
library acquisition 025.2931
administration 025.1731
preservation 025.8
powder
buildings mil. eng. 623.614
care of " " 623.4811
in specific fields
[2] see subject —05
Magdalen
houses architecture 725.63
reformatories 364.723
islands, Que history 971.4797
Magdeburg " 943.18
Magellan
Ferdinand Amer. " 973.16
straits " 983
Magendie, foramen of
anatomy 611.8185
Maggots
pathology 616.967
root (Brachyera)
agricultural pests 632.772
Magi Christology 232.923
Parseeism 295
Magic arts occultism 133.4
lantern optics 535.86
photography 778.22
recreation 791.4
Magic (cont.)
photography fine arts 778.8
squares arithmetic 511.61
games 793.74
Magicians
biography 920.91334
comparative religion 291.62
fraudulent humbugs 133.74
parlor biography 920.97938
recreation 793.8
Maginot line
military engineering 623.1944
national defense 355.450944
Magistrates jurisprudence 347.96
Magna charta
Eng. constit. hist. 342.42
history 942.033
cum laude
univ. & col. degrees 378.22
Magnavox radio 621.38413643
Magnesium
and calcium groups
chemistry 546.4
flashlight photography 771.448
group chemistry 546.44
metallurgy 669.7
processes photography 772.83
Magnetic
action on organisms
physiology 612.014426
amplifiers radio reception 621.3841363
detectors radio 621.38413628
fluid hypnotism 134.0162
materials radio 621.3841793
observations physics 538.7
separation ore dressing 622.77
surveys mining 622.15
telegraph business 654
Magnetism
animal hypnotism 134.0162
effect on plants bot. 581.52224
physics 538
tables, problems, etc.
physics 538.9
Magneto
chemistry science 541.378
dynamos electricity 537.83
electric engineering 621.313
interference
radio on aircraft 621.384191
motor vehicle ignition 629.2544 42
regulators, potential
electric engineering 621.31453

Magneto (cont.)
switchboards telephony 621.38722
system " 621.38542
Magnets physics 538.1
Magnificat music 783.29
Magnifico, Lorenzo il
Italian poetry 851.23
Magnifiers
focusing photography 771.37
optics 535.82
photography 771.352
Magnifying glasses mfg 681.413
Magnitude cosmology 119
Magno, Celio It. poet. 851.44
Magnolia botany 583.114
state (Miss.)
history 976.2
Magnoliineae botany 583.114
Magnum anatomy 611.71777
Magoffin co., Ky hist. 976.9215
Maguey
fibers (Amaryllidaceae)
field crops 633.5775
Manila (Amaryllidaceae)
fiber crops 633.5773
Magyar
fowls (Gallinae) agric. 636.538
[4] **language** 494.511
Magyars history 943.91
Mahaska co., Ia " 977.784
Mahé island " 969.6
Mahenge " 967.85
Mah-jong games 795.3
Mahlabatini hist. 968.31
Mahnomen co., Minn " 977.694
Mahogany (Meliaceae) bot. 583.251
Mahometan, etc.
see Mohammedan, etc.
Mahoning co., O history 977.139
Mahra " 953.4
[4] **Mahratta language** 491.46
Maid of Orleans Fr. hist. 944.026
Maidenhair
fern (Polypodiaceae)
floriculture 635.97532
tree (Ginkgoaceae) bot. 585.7
Mail accessories
office equipment 651.267
air aircraft service 629.13823
boxes city planning 711.727
buying methods 658.725
car factories archi. 725.454
library accessions 025.233
news channels
journalism 070.4311
Mail (cont.)
routine office econ. 651.457
service admin. control 351.816
communication 383
slots archi. constr'n 721.894
voting suffrage 324.247
woven textile mfg 677.53
Mailing lists
direct advertizing 659.133
Mailly grape vitic. 634.8544
Mailorder houses
architecture 725.215
business methods 658.872
Maimonides philosopher 181.3
Mainard, François
French poetry 841.42
Maine
battleship, sinking, 1898
US history 973.891
France " 944.16
US, admission hist. 973.54
history 974.1
see note under Virginia
Maine-et-Loire history 944.18
Mains
pneumatic engineering 621.532
road " 625.78
steam " 621.1853
waterworks 628.15
Maintenance and working
in specific fields
[2] see subject —00036
Mainz
Germany history 943.41
of printing 655.111
Maissemy Eur. w., 1918
Mar. 940.4341
Sep. 940.4357
Maistre, Xavier de
French fiction 843.64
Maize
harvesters agriculture 631.355
harvesting " 631.555
(Maydeae) field crops 633.15
garden " 635.67
milo- (Andropogoneae)
field crops 633.177
shellers agric. tools 631.3614
silk industry 677.472
zootechny 636.08615
see also Corn
Majagua (Malvaceae)
field crops 633.564
cordage manufactures 677.71
Majolica ware pottery 738.37

Major co., Okla history 976.629
Majorca " 946.7
Majority
elects suffrage 324.262
vote legis. election 328.3355
procedure 328.375
Makah Indian reservation
Washington history 979.799
Makalahari history 968.16
[4] **Makassar language** 499.228
Making ready printing 655.32
Makoni history 968.936
Malabar coast " 954.8
[4] **language** 494.812
Malaca, Spain history 946.8
Malacca " 959.5
Malaceae botany 583.37
Malachi Bible 224.99
Malacodermata entomology 595.766
Malacology zoology 594
Malacospermae (Cactaceae)
botany 583.471
Malacostraca zoology 595.36
Malade Range, Ida hist. 979.641
Maladjustment sociology 301.1536
Malaga history 946.8
Malaga
goat (Bovidae) dom. anim. 636.396
grape viticulture 634.849
[4] **Malagasy language** 499.214
Malang fakirs
Mohammedanism 297
Malar anatomy 611.7163
Malaria hygiene 613.14
pathology 616.936
public health 614.53
Malarious
marshes public health 614.772
soil " " 614.775
Malay
apple (Anacardiaceae)
fruitculture 634.442
archipelago history 991
architectural styles 722.46
fowls
(Gallinae) agric. 636.5854
game (Gallinae) " 636.58815
[4] **language** 499.221
languages 499.2
peninsula history 959.5
[4] **Malayalam language** 494.812
Malaysia history 991
Malbe-Merlot grape vitic. 634.8544
Maldevelopments
mental childstudy 136.7622
psychology 132.2
Male
birth rate 312.1
functions of generation
physiology 612.61
organs, appendages of
physiology 612.617
sex biology 577.822
see also Boys, Men
stock zootechny 636.08231
Malebranche, Nicolas
philosopher 194.2
Malediction ethics 179.5
Malesherbiaceae botany 583.457
Malformations
anatomy 611.012
animal teratology 591.2
variation 591.159
hygiene of progeny 613.91
somatology 573.9
surgery 617.3
vegetable teratology 581.22
variation 581.159
Malherbe, François de
French poetry 841.41
Malheur
county, Ore history 979.597
Lake, Ore description 917.9595
nat'l forest, Ore descr. 917.9578
Malindi history 967.66
Malines European war 940.4212
fowls, coucou de
(Gallinae) agric. 636.548
Malingering ethics 179.8
mil. sci. 355.133
Malla tree (Olacaceae) bot. 583.26
Malleability physics 539.51
Mallet ball games, indoor
recreation 794.7
games sports 796.352–.355
Malleus anatomy of ear 611.857
Mallomonadaceae botany 589.974555
Mallophaga entomology 595.7514
Mallorca history 946.7
Mallow (Malvaceae) bot. 583.172
Malls city planning 711.74
Malmaison fort
European war, 1917 940.4316
1918 940.4361
Malmédy history 949.3
Malmesbury
Cape Colony " 968.724

Malmström, B E
  Swedish essays 839.7463
Malnutrition
  see Inanition, Nutrition
Malodorous plants
  floriculture 635.97833
Malpighiaceae botany 583.214
Malpighian
  bodies, splenic anat. 611.415
  layer " 611.771
Malpighiineae botany 583.214
Malpractise
  criminal law 343
  public health 614.26
Malt
  elevators architecture 725.363
  liquors brewing tech. 663.3
Malta
  history 945.8
  of Rhodes, knights of
    heraldry 929.711
Maltahōhe history 968.845
Malte-Bruun, Conrad
  Danish poetry 839.81158
Maltese
  goat
    (Bovidae) dom. anim. 636.395
    Spanish (Bovidae)
      domestic animals 636.396
  swine (Suidae) dom. anim. 636.45
Malthusianism demography 312.1
Malto language 494.825
    literature 894.825
Maltose and nutrition
  physiology 612.39614
Malus sylvestris (Rosaceae)
  fruitculture 634.11
Malvaceae botany 583.172
Malvales " **583.17**
Malvasia grape vitic. 634.8543
Malvern Hill, Va, battle
  1862 US Civil war 973.7327
Malvineae botany 583.171
Malvoisie grape
  black viticulture 634.849
  Italian " 634.8545
  Spanish " 634.8546
Mambwe history 968.963
Mamelukes Egyptian " 962
Mamiani della Rovere
  Terenzio It. essays 854.76
Mammalia
  milk of physiology 612.66419
Mammalia (cont.)
  paleozoology 569
  zoology 599
Mammary
  artery, external anat. 611.1341
    internal " 611.1345
  glands anatomy 611.69
    physiology 612.664
  lymph glands anatomy 611.4642
  secretion physiol. zool. 591.146
Mammee
  apple (Guttiferaceae)
    fruitculture 634.654
  sapota (Sapotaceae)
    fruitculture 634.432
Mammillo-thalamic
  fasciculus anatomy 611.8142
Mammonism ethics 174.5
Mammoth
  Cave, Ky description 917.69754
  (Proboscidea) mammalogy 599.61
    paleozool. 569.61
  Spring, Ark description 917.6722
Mamon (Anonaceae)
  fruitculture 634.414
Mamuret-ül-Aziz history 956.6
Man, age of physiology 612.68
    and environment
      somatology 573.4
    nature
      somatology 573.1
    plant
      dissemination
        botany 581.52268
      succession bot. 581.52434
    wife family law 347.6
  anthropology 572–573
  antiquity of
    somatology 573.3
  doctrinal theology 233
  extinct paleozool. 569.9
  Isle of history 942.89
  mammalogy 599.9
  origin of
    evolution 575.8
    natural theology 213
    somatology 573.2
  original home of
    anthropology 572.4
  primitive
    archeology 571
    psychology of 136.41
Managed currency
  financial economics 332.56

Management
cooperative indus. rela. 331.152
forestry **634.928**
scientific business **658**
in other specific fields
[2] see subject —00035
Manager
city local gov't 352.008
domestic economy 647.21
system farm working 631.1152
Managers
and workmen, unions of
economics 331.883
rooms for office bldg 651.16
training of economics 331.86
unions " 331.882
Manassas
Va, 1st battle, 1861
US Civ. war 973.7314
2d battle, 1862
US Civ. war 973.7328
Prayer of Apocrypha 229.6
Manastash
Ridge, Wash history 979.757
Manatee co., Fla " 975.962
Mancelle swine (Suidae)
domestic animals 636.443
Manche, La, France hist. 944.21
Manchester " 942.72
school econ. 330.153
Manchineel (Tricoccae) bot. 583.951
Manchouli
Manchuria history 951.84
Manchu
dynasty Chinese " **951.03**
[4] **language** **494.13**
Manchuria
European war 940.4335
invasion, 1931
Chinese history 951.0425
Japanese " 952.033
(Manchukuo) " **951.8**
Mandarin
duck (Anseres) agric. 636.59785
(Rutaceae) fruitculture 634.322
Mandates
colonization 325.312
legislative restrictions 328.349
political science 321.027
Mandats financial economics 332.53
Mandeville, Bernard
English wit 827.53
Mandible
bone **anatomy** **611.7164**
joint " 611.724
Mandible (cont.)
ramus of anatomy 611.71643
Mandibular nerve " 611.83156
Mandolin music 787.65
Mandrake (Berberidaceae)
botany 583.117
Maned sheep (Bovidae)
domestic animals 636.386
Manege
physiology of
invertebrates 612.8291
nerve centers 612.82261
Manes comparative religion 291.2134
Manetti, Antonio
Italian fiction 853.23
Maneuvering
appliances ordnance **623.436**
mechanism gun mounts 623.4353
Maneuvers
cavalry military science 357.18
infantry " " 356.18
military science **355.5**
Manfredi, Eustachio
Italian poetry 851.56
Mangabotti, Andrea da
Italian fiction 853.24
Mangalicza swine (Suidae)
domestic animals 636.472
Manganese
chemistry 546.71
metallurgy 669.7
mining 622.346
ores geology, economic 553.46
processes photography 772.25
Mangel (Chenopodiaceae)
field crops 633.416–.417
Mangle laundry business 648.45
Mango (Anacardiaceae)
fruitculture 634.441
Mangold (Chenopodiaceae)
field crops 633.417
Mangosteen (Guttiferaceae)
botany 583.163
Mangrove
black (Verbenaceae) bot. 583.881
(Rhizophoraceae) " 583.411
Manhattan, Kan history 978.1281
Manholes
electric lines 621.319234
sewerage engineering 628.253
steam boilers 621.18455
Mania
a potu medicine 616.8931
psychology 132.1931
see also Alcoholism, Dipsomania
akinetic medicine 616.89567
psychology 132.19567

Mania (cont.)
medicine 616.8951
psychology 132.1951
puerperal obstetrics 618.76
unproductive medicine 616.89564
psychology 132.19564
see also qualifying or specific terms
Maniacs biography 920.8
Manias
criminal psychology 132.6
destructive " 132.64
sexual " 132.75
vicious " 132.7
Manic
depressive insanity
and genius 151.162
medicine 616.895
psychology 132.195
stupor medicine 616.89562
psychology 132.19562
Manicheism heresies 273.2
Manicure toilet 646.7
Maniéma history 967.56
Manifolding writing meth. 652
Manifolds
motor vehicle engines 629.25282
Manikaland
Mozambique history 967.97
Rhodesia " 968.93
Manikins
advertizing display 659.157
moving advertizing 659.138
museum exhibits 069.53
painting 751.33
Manila hemp (Musaceae)
cordage mfg 677.71
field crops 633.571
maguey
(Amaryllidaceae)
fiber crops 633.5773
PI, battle, 1898
US history 973.895
Manilius, Marcus
Latin poetry 871.5
Maniple practical relig. 247.7
Manipulations, curative
therapeutics 615.82
Manipulators
writing machine mfg 681.6111
Manistee co., Mich hist. 977.462
Manitoba " 971.27
Manitou co., Mich " 977.489
Manitoulin islands " 971.3135
Manitowoc co., Wis. hist. 977.567
Mankaiana " 968.36
Mankind sociology 300
Mankoya history 968.951
Manly process photography 773.125
Mannequins, *see* Manikins
Mannerisms ethics 177
psychology 137
Manners
and customs, local
in specific countries regions, etc. see 913–919
sociology 390
see also Customs, national
eating dom. econ. 642
of children " " 649.6
public admin. control 351.76
social customs 395
ethics 177
Mannose and nutrition
physiology 612.39613
Man-of-war bird
(Steganopodes) ornithol. 598.43
Manometer
aeronautic research 629.130783
pneumatics 533.82
practical chemistry 542.77
steam boilers 621.18473
Manor houses architecture 728.83
Manorial
court English law 347.99
life political science 323.354
system production 338.63
tenure land economics 333.32
Manrique, Jorge Sp. poet. 861.24
Mansard roofs
architectural constr'n 721.592
Mansec grape viticulture 634.8544
Manses architecture 726.91
Mansfield, O history 977.1281
Mansions architecture 728.3
Manslaughter criminal law 343
Mansson, Peder Swed. lit. 839.781
Mantel-clock manufactures 681.1135
Mantels architecture 729.95
fine arts 749.62
Mantes fowls (Gallinae)
agriculture 636.547
Mantidae entomology 595.725
Manual
alphabets
educ. of deaf & mute 371.912
of arms mil. training 355.541–.542
training education 371.426

Manual (cont.)
work elem. education 372.5
Sunday schools 268.68
Manuals
and rules legis. procedure 328.371
legislative
[1] **of special countries** 328
in other specific fields
[2] see subject —02
Manubrium anatomy 611.713
Manuel, Juan Spanish lit. 868.13
Manufactories engineering 621.7
Manufacture of
motor vehicles eng. 629.234
Manufacturers
advertizing distribution 659.114
associations production 338.062
credit institutions
financial economics 332.312
Manufactures 670
administrative regulation 351.824
and pollution
public health 614.7
sanitary engineering 628.5
chemic 660
economics 338.4
excises on pub. fin. 336.2713
military resources 355.26
radio engineering 621.38418
Manufacturing
areas regional plan. 711.32
districts city zoning 711.5547
equipment mot. vehicles 629.2341
plants, *see* Factories
towns city planning 711.4547
Manure and pollution
pub. health 614.761
spreaders farming 631.3336
Manures fertilizers 631.86–.87
sewage disposal 628.38
Manuscript
illumination
arts & crafts 745.67
notes book rarities 091.6
writing elem. educ. 372.51
Manuscripts
ancient philology 417
Bible religion 220.4
book rarities 091
copyright of business 655.62
library acquisition 025.2911
administration 025.171
preservation 025.8
music 781.969
Manuscripts (cont.)
paleography, English 421.7
other lang. —17
selection of publishing 655.51
[4] **Manx language** 491.64
Manzoni, Alessandro
Italian fiction 853.72
poetry 851.73
Map drawing in schools 910.7
making mech. drawing 744.428
topography 526.98
projection cartography 526.8
reproduction phot. 778.38
Maple
(Aceraceae) forestry 634.9722
sugar crops 633.64
sap forest products 634.98672
gatherers 631.3588
gathering 631.5568
Mapping forest silvics 634.948207
[1] **Maps** 912
aerial avigation 629.13254
photography 778.38
astronomic
see Astronomic
charts, maps, etc.
[1] **campus, univ. & col.** 378
classic 912.38
educational methods 371.3354
library acquisition 025.296
admin. 025.176
cases for 022.485
preservation 025.8
of Brazil 912.81
Carthage 912.3973
Switzerland 912.494
etc.
office files 651.64
radio 621.384084
relief physiography 551.4084
school equipment 371.6791
Mapumulo history 968.44
Maputa district
Amatonga " 968.38
Marandellas " 968.9355
Marantaceae botany 584.211
Marathon co., Wis hist. 977.529
race athletics 796.42
Marattiales botany 587.332
Mauraudin criminal law 343
Marble
Caves, Ore description 917.9525
geology, economic 553.51
petrology 552.46

Marble (cont.)
quarrying 622.351
radio insulating material 621.384179101 32
solitaire games 794.5
sculpture fine arts 731.231
work masonry 693.1
Marbles recreation 796.23
Marceline silk industry 677.4164
Marcgraviaceae botany 583.1666
March
Auzias Catalan poetry 849.9131
formations mil. sci. 355.53
routes " " 355.415
tactics " " 355.411
Marchantiaceae botany 588.332
Marchantiales " 588.33
Marche
history 944.68
sheep (Bovidae) dom. anim. 636.3423
Marches
ancient communities
political science 321.2
colonization 325.312
Italian history 945.6
music form 781.5084
piano music 786.44
Marchetti, Giovanni
Italian poetry 851.74
Marchi, column of anat. 611.8256
Marching athletics 796.42
games, children's 796.13
Marcionism heresies 273.1
Marconi telegraphy radio 621.384252
time disc " 621.3841312
Marcus Aurelius philos. 188.8
Mardi Gras recreation 791.6
social customs 394.25
Mare milk dairy industry 637.171
Maréchal & Motay collotype
process photography 774.1
Marenco, Leopoldo
Italian drama 852.84
Marengo co., Ala history 976.139
Mare's-tail
(Hippuridineae) bot. 583.446
Margaretta, ship, capture
American revolution 973.351
Margarine
see Butter, artificial
Margaritales
(Endosporeae) botany 589.2932
Margiana history, ancient 939.63
Marginal
effects
phot. sensitometry 771.5345
productivity
theory of wages 331.2153
utility
economic law 338.016
theory polit. econ. 330.162
Margins
office correspondence 651.74
stock & commodity
exchanges 332.64
Margosa (Meliaceae) bot. 583.251
Marguerite de Navarre
French fiction 843.31
Margules-Duhem equation
chemistry 541.39
Marian persecutions
in England church hist. 272.6
Mariana, Juan de Sp. lit. 868.31
Marianas islands history 996.7
" **lang. of 499.213**
Marico history 968.28
Marie de France Fr. poet. 841.13
Maries co., Mo history 977.859
Marietta, O " 977.1981
Marigold
(Calendulaceae) bot. 583.5535
corn- (Anthemidaceae) " 583.5537
fig- (Aizoaceae) " 583.475
(Ranunculaceae) " 583.111
Marihuana habit ethics 178.8
hygiene 613.85
psychol. 132.73
Marimba music instr. 789.6
Nyasaland hist. 968.973
Marin co., Calif. " 979.462
Marine
architecture naval eng. 623.8
biology nature study 574.92
buildings archi. 725.34
carnivora mammalogy 599.745
chronometers mfg 681.1145
corps military science 359.96
engines steam eng. 621.12
fauna geog. zoology 591.92
flora geog. botany 581.92
hospitals sociology 362.11
insurance business 368.2
law jurisprudence 347.7
paintings fine arts 758.2
parks landscape art 712.53
surveying hydrography 526.99

Mariners libraries 027.644
occupation hyg. 613.64
Marines fine arts 704.943
Marinette co., Wis hist. 977.533
Marini, G A It. poetry 851.52
Mariology Christology 232.931
Marion co., Ala history 976.189
Ark " 976.719
Fla " 975.975
Ga " 975.848
Ill " 977.3794
Ind " 977.252
Ia " 977.783
Kan " 978.157
Ky " 976.951
Miss. " 976.221
Mo " 977.835
O " 977.151
Ore " 979.537
SC " 975.786
Tenn " 976.879
WVa " 975.454
grape viticulture 634.843209
Marionette theaters archi. 725.822
Marionettes recreation 791.5
Mariotypes photography 773.125
Mariposa co., Calif. hist. 979.446
Maritime
credit financial econ. 332.742
discoveries travel 910.4
law jurisprudence 347.7
quarantine pub. health 614.461
registry
military resources 355.27
naval " 359.27
private law 347.7
transport 386
surveying hydrography 526.99
transport commerce 387.5
see also Marine
Maritzburg div., Natal
history 968.45
Marivaux, P C de
Chamblain de Fr. drama 842.54
fict. 843.52
Marjoram (Lamiaceae)
garden crops 635.71
Mark
gospel of 226.3
Twain, *pseud.* Amer. wit 817.44
Markers
cemeteries 718.66
office letter files 651.675
Market
analysis
advertizing campaigns 659.113
business methods 658.83
buildings city planning 711.662
crosses architecture 725.27
districts city planning 711.552
gardening agriculture 635
open buying methods 658.726
orders
stock & commodity
exchanges 332.64
places landscape art 712.524
preparation of crops for
agriculture 631.56
proximity
farm economics 631.11
industrial management 658.216
ratio vs mint ratio
bimetalism 332.423
surveys & analyses
commerce 380.122
towns city planning 711.452
Marketing
agricultural economics 631.18
apiculture 638.1118
cooperation
business methods 658.83
commerce 380.125
cooperative polit. econ. 334.65
cost of production 338.52
lac industry 638.3225
products
business methods 658.83
economics
see in Tables subhead *Marketing and trade* under specific types of production, e.g. 338.14
Markets
architecture 725.26–.27
commerce 380.12
domestic economy 641.4
financial economics 332.6
sales channels 658.842
see also qualifying or specific terms
Marking laundry business 648.12
silviculture 634.954
Marks
anc. communities polit. sci. 321.2
engravers' fine arts 769.41
hall plate 736.8
of origin commercial law 347.7
tariff 337.34
useful arts 608

Marks (cont.)
of ownership zootechny 636.0812
potters' ceramics 738.88
precious metals arts 739.2188
school credits 371.26
trade, *see* Trade-marks
Marl fertilizers 631.822
petrology 552.54
Marlberry
(Myrsinaceae) botany 583.677
Marlboro co., SC hist. 975.764
Marlowe, Christopher
English drama 822.32
Marmalade
cookery 641.8
tree (Sapotaceae)
fruitculture 634.432
Marmarica history, ancient 939.76
Marne
dept, France history 944.32
River
Eur. w., 1st battle, 1914 940.4216
1918
March 940.4341
May-June 940.4343
July 15–18 940.4345
salient
Eur. w., 1918 940.4351–2
air raids 940.448
Maro, P V Lat. epic poet. 873.1
Maronite church 281.5
Marot, Clement Fr. wit 847.31
Marprelate controversy
Puritanism 285.9
Marque and reprisal
law of war 341.3
Marquees city planning 711.725
Marquesas islands hist. 996.3
Marquetry archi. dec. 729.63
artistic furn. 749.5
cabinetmaking 684
woodworking 745.51
Marquette co., Mich hist. 977.496
Wis " 977.558
Marrakech " 964.6
Marriage
communal sex customs 392.6
endowment insur. bus. 368.47
ethics 173.1
matrimonial customs 392.5
of poor sociology 362.55
private law 347.6
registers genealogy 929.3
Marriage (cont.)
sacraments 265.5
statistics demography 312.5
public health 614.17
Married women's work econ. 331.43
Marrow
histology 611.01846
physiology 612.491
vegetable (Cucurbitaceae)
garden crops 635.623
Marryat, Frederick
English fiction 823.78
Mars astronomy 523.43
classic mythology 292
line palmistry 133.6432
mount " 133.642
occult astrology 133.532
seasons on astron. 525.54
Marsanne grape vitic. 634.8544
Marseilles history 944.91
Marsh
elder (Ambrosiaceae) bot. 583.5546
Island, La. description 917.6349
plants veget. ecol. 581.526522
rosemary
(Ericaceae) bot. 583.62
(Plumbaginaceae) " 583.671
sheep (Bovidae)
dom. anim. 636.331
swine, German (Suidae)
domestic animals 636.434
Marshal, William, gent.
pseud. Eng. letters 826.61
Marshall co., Ala hist. 976.194
Ill " 977.3515
Ind " 977.288
Ia " **977.755**
Kan " 978.131
Ky " 976.991
Minn " 977.697
Miss. " 976.288
Okla " 976.661
Tenn " 976.8585
WVa " 975.416
islands " 996.8
Marshallian school econ. 330.153
Marshalltown, Ia hist. 977.7551
Marshes
landscape art 714.27
natural landscapes 719.232
physiography 551.49
public health 614.772
reclamation of agric. 631.615

Marsiliales botany 587.311
Marsipobranchii ichthyol. 597.2
Marston, John Eng. wit 827.34
Marsupialia mammalogy 599.2
Marsupialida zoology 593.76
Marten
(Mustelinae) mammal. 599.744472
Martha grape viticulture 634.84709
Marthold sheep (Bovidae)
domestic animals 636.3469
Martial law jurisprudence 344
polit. sci. 323.491
Martialis, M V Lat. wit 877.6
Martin co., Fla history 975.931
Ind " 977.238
Ky " 976.924
Minn " 977.623
NC " 975.645
Marprelate
Puritanism 285.9
Martinez de la Rosa
Francisco Sp. drama 862.51
Martinique history 972.98
Martorell, Joannot
Catalan fiction 849.933
Martyniaceae botany 583.852
Martyrdom of Isaiah
pseudepigrapha 229.913
Martyrs
church hist. persecutions 272
Marvel, Ik, *pseud.*
American literature 818.32
Marvell, Andrew Eng. wit 827.43
Marwari language 491.43
Marxian internationals
socialism 335.42
Marxism political econ. 335.4–.5
Mary
queen of
England Eng. hist. 942.054
persecutions
church hist. 272.6
Scots Scot. hist. 941.05
Virgin Christology 232.931
parents of Christol. 232.933
see also Madonna
Maryland, Africa hist. 966.67
US " 975.2
see note under Virginia
Marylebone, London hist. 942.14
Mary's Peak, Ore descr. 917.9534
Marzemino grape vitic. 634.8545
Masai Reserve
Naivasha prov. hist. 967.63
Masaka hist. 967.611
Masarwa " 968.16
Mascarenes islands " 969.8
Mascheroni, Lorenzo
Italian poetry 851.62
Mashonaland history 968.93
Mashukulumbwe " 968.955
Mask-balls recreation 793.386
Maskinonge co., Que hist. 971.444
Masks
motor vehicle lighting 629.27133
music 782.9
parlor recreation 793
sculpture 731.75
social customs 394.2
theater 792
Masochism psychology 132.7544
Mason and Dixon line
slavery 326.973
co., Ill history 977.355
Ky " 976.932
Mich " 977.461
Wash " 979.797
WVa " 975.433
Masonic songs music 784.66
temples archi. 728.46
Masonry
adhesives bldg indus. 691.5
engineering 620.15
arches archi. constr'n 721.427
building industry 693
effect of projectiles on
ballistics 623.5622
floors archi. constr'n 721.62
fortifications 623.123
houses, rural archi. 728.62
lining mining 622.28
materials bldg indus. 691.2–.6
platforms
foundations archi. 721.165
roofs archi. constr'n 721.52
steam boilers 621.18457
Masons secret societies 366.1
Masquerades recreation 793.386
Masr-el-Bahri history 962.1
Mass and chemic properties 541.2
balancing
steam turbines 621.16537
Christian, *see*
Eucharist, Liturgy
cosmology 119
law of gravity
mechanics 531.54
production economics 338.45

Massac co., Ill history 977.3997
Massachusetts " 974.4
see note under Virginia
Massacre of innocents
Christology 232.925
Massage therapeutics 615.82
Massariaceae botany 589.2351
Massasoit grape vitic. 634.84709
Massawah history 963.5
Masseter muscle anatomy 611.73271
Massillon, O history 977.1623
Massina " 966.24
Massinger, Philip
English drama 822.37
Massive, Mt, Colo descr. 917.8846
Mastabas architecture 726.85
Master and servant
ethics 173.8
private law 347.6
Masters
degrees univ. & col. 378.243
school force 371.1473
Mastery-technic method
education 371.37
Mastication physiology 612.311
Masticatory muscles anat. 611.7327
Mastitis obstetrics 618.71
Mastixioideae
(Cornaceae) botany 583.497
Mastodiaceae " 589.16
Mastodon (Proboscidea)
mammalogy 599.61
paleozoology 569.61
Mastoid
cells anatomy 611.8547
ear pathology 617.87
glands anatomy 611.4632
Masts
mooring airport equip. 629.1364
radio antennas 621.38413581
shipbuilding 623.85
Masturbation psychology 132.7548
Masuccio, Salernitano
Italian fiction 853.31
Masurian Lakes
see Mazurian Lakes
Mat herbs botany 582.145
work athletics 796.43
Matabeleland history 968.92
Matador games 795.3
Matamoras, Mexico
battle, 1846 US hist. 973.6234
history 972.1
Matane co., Que history 971.4775
Matariyeh " 962.16
Matatiele " 968.631
Match containers
advertizing on business 659.137
Matches
chemic technology 662.5
ordnance 623.4541
Maté (Ilicaceae)
field crops 633.77
Materia medica pharmacy 615.1
zootechny 636.0895
Materialism
church history 270.7
dialectic psychology 150.1945
philosophy 146
early Greek 182.1
psychology 130.1632
Materialization of spirits
spiritism 133.923
Materials
engineering 620.1
foundation archi. 721.13
protection of eng. 620.1122
strength of " 620.11
physics 539.4
viewpoint
in specific fields
[2] see subject —002
see also qualifying or specific terms
Maternity
ethics 173
hospitals archi. 725.515
sociology 362.15
insurance business 368.424
medicine 618
zootechny 636.0898
Mathematical
ability tests psychology 151.223851
crystallography 548.7
drawing fine arts 744
formulas
in specific fields
[2] see subject —0833
games recreation 793.74
instruments 510.78
methods polit. econ. 330.182
probabilities 519.2
tables 510.83
and problems
arithmetic 511.9
calculus 517.9
trigonometry 514.9
etc.
theory music 781.1
Mathematicians 510.69
biography 925.1

Mathematics 510
Mathews
Cornelius Amer. drama 812.32
county, Va history 975.531
Mathurins monastic orders 271.79
Matin, *see* Morning prayer
Mating instinct psychol. 158.4245
Matoniaceae botany 587.3125
Matopo history 968.924
Matrass practical chem. 542.231
Matriarchy polit. sci. 321.1
Matriculation schools 371.21
Matrimony, *see* Marriage
Matrix bone tissue histol. 611.01843
connective
tissue " 611.01823
Matron, housekeeping 647.21
Mats, bamboo textile mfg 677.545
rush " 677.544
straw " 677.541
Matter
and energy cosmology 118.2
chemistry 541
constitution of
atomic theory 541.2
cosmology 117
physics 530.1
properties of biology 577
radiant physics 539.7
Matthew, gospel of 226.2
Matthews, J B
American essays 814.44
Matthias German history 943.035
Mattias, Canon Swed. lit. 839.781
Matting domestic econ. 645.1
office " 651.2412
phot. prints 770.2846
Mattock farm tools 631.3116
Maturation embryology 611.01317
Mature
psychology of 136.52
vs expanding economy
production 338.016
Maturity botanic ontogeny 581.13533
physiology 612.66
plant growth 631.5473
Maurepas, Lake, La. descr. 917.6332
Mauritania (Mauretania)
N Africa hist., anc. 939.71
W " " 966.12
Mauritius
hemp (Amaryllidaceae)
field crops 633.573
history 969.82
Maury co., Tenn hist. 976.859
Mts, Ore " 979.583
Mausoleums architecture 726.82
cemeteries 718.67
sculpture 731.76
Mauté island history 969.41
Maxatawney grape vitic. 634.84709
Maxillary
artery, external anat. 611.13323
internal " 611.13328
bone, inferior " 611.7164
superior " 611.7161
glands, internal " 611.462
joint " 611.724
nerve, inferior " 611.83156
superior " 611.83154
Maxim gun ordnance 623.4225
Maxima and minima
algebra 512.3
calculus 517.27
geometry 513.19
Maximilian 1 Ger. hist. 943.029
2 " " 943.033
Mexican " 972.07
Maxims folklore 398.9
legal law 340.9
in other specific fields
[2] see subject —0822
Maximum wage economics 331.2155
May 1 labor holidays 331.817
social customs 394.268
pest bee disease 638.1533
Maya architectural styles 722.912
civilization antiq. 913.72
hist. 972.015
language 497
Mayacaceae botany 584.37
May-apple
(Berberidaceae) bot. 583.117
(Ericaceae) " 583.62
(Passifloraceae) " 583.456
Maydeae botany 584.922
grass crops 633.281
Mayenne history 944.16
Mayes co., Okla " 976.693
Mayetiola destructor
(Nematocera) agric. pests 632.771
Mayflower descendants
Society of 369.124
May-fly (Ephemeridae)
entomology 595.734
Maynard, François de
French poetry 841.42
Mayo, Ireland history 941.73

Mayor local gov't 352.008
France 352.04407
Mayors' mansions archi. 725.17
Mayotte island history 969.41
Mayweed
(Eupatoriaceae) bot. 583.5544
Mazama montana (Bovidae)
domestic animals 636.2937
Mt, Ore descr. 917.95915
Mazdaism Zoroastrianism 295
Maze tests psychology 151.23
Mazes landscape art 717.685
Mazoe history 968.938
Mazurian Lakes
European war, 1914 940.4222
1915 940.4251
Mazurka dances 793.33
music form 781.508523
piano music 786.44
Mbabane history 968.35
Meade co., Kan " 978.175
Ky " 976.985
Meadow
plants, nectariferous
apiculture 638.1327
rue (Ranunculaceae) bot. 583.111
rush (Juncaceae) " 584.45
Meadow-beauty
(Melastomaceae) botany 583.43
Meadows nat. landscapes 719.263
Meadow-sweet
(Rosaceae) bot. 583.37
Meal courses dom. econ. 642.6
mills architecture **725.47**
tickets table syst. 642.55
Meals
domestic economy **642**
family domestic econ. 642.1
hours for lib. closing 024.35
staff 023.62
office econ. 651.422
school education 371.716
Mealy bugs (Coccidae)
agricultural pests 632.7523
Mean
graduation method
psychophysics 152.82323
time chronology 529.1
value, accuracy of
math. probabilities 519.6
Meaning
psychology **153.1**
of reasoning 153.665
secondary, in reasoning
psychology **153.65**
Mearns, the history 941.26
Measles
German pathology 616.916
public health 614.524
inoculation
public health 614.478915
pathology 616.915
public health 614.523
Measurement cosmology 119
Measurements
educational schools 371.26
electric engineering **621.37**
mining ventilation 622.46
psychophysical psychol. **152.825–.826**
radio engineering **621.38417**
Measures
and weights
administrative regula. 351.821
commerce **389**
music notation 781.24
peculiar to subject
[2] see subject —017
Measuring
instruments
manufactures **681.2**
metrology 389
office fittings 651.4654
physics 530.78
practical chemistry **542.3**
of heat, electric
thermology 536.53
light optics 535.2
worm (Geometrina)
entomol. 595.785
Meat and nutrition
physiology **612.39281**
as food dom. econ. 641.12
hygiene **613.28**
cookery **641.66**
diseased toxicology 615.94
domestic economy **641.36**
feeding for zootechny 636.08452
fresh state inspection 614.317
markets dom. econ. 641.49
packing and pollution
pub. health 614.743
houses archi. 725.28
preservation
chemic technology 664.9
preserved
state inspection 614.319
production economics **338.176**
raising for zootechny 636.0883
Meath history 941.82
Meatus
external acoustic anat. 611.858
penis anatomy 611.644

Mecca history 953.2
Mecca
fat rum sheep (Bovidae)
domestic animals 636.385
Mechanic arts & trades 680
Mechanical
appliances office econ. 651.26
arithmetic mathematics 510.78
drawing fine arts 744
engineering 621
equivalent
thermodynamics 536.7
factors and ecol. bot. 581.52225
forces
action of mesology 612.01447
and growth botany 581.134155
protection against
vegetable ecology 581.572
influences phot. theory 770.1531
phenomena heredity 575.15
toys, automatic mfg 681.15
training economics 331.86
education 371.426
[1] **useful arts** 607
transmission
writing mach. mfg 681.6112
Mechanics
applied engineering 620.1
liens law 347.2
physics 531
Mechanism
dynamic psychoanalysis 131.3466
living biology 577.212
philosophy 146
principles of eng. 621.81
psychology 130.1632
Mechanisms, fine mfg 681
Mechanized
cavalry military science 357.5
infantry " " 356.11
Meckel
ganglion of anatomy 611.89154
Meckel's
diverticulum " 611.3412
Mecklenburg
county, NC history 975.676
Va " 975.5645
declaration, 1775
American revolution 973.313
Germany history 943.17
horse (Equidae) dom. anim. 636.143
sheep (Bovidae) " " 636.3331
swine (Suidae) " " 636.434
Mecosta co., Mich hist. 977.452
Medal of honor
legion of the US 369.114
Medallion windows
arehitectural decoration 729.82
Medallions numismatics 737.2
Medals
military decorations 355.134
numismatics 737.2
school rewards 371.53
work encouragements 331.9
in other specific fields
[2] see subject —079
Medford, Ore history 979.5271
Media architectural styles 722.52
history, ancient 935.3
Medial fillet anatomy 611.8184
Median nerve " 611.8335
Mediastinal artery " 611.1355
glands " 611.4644
Mediastinum " 611.27
testis " 611.6315
Mediation indus. rela. 331.154
Mediators comp. relig. 291.61
Medic family (Fabaceae)
field crops 633.31
Medical
aid immigration 325.16
industrial hygiene 331.822
welfare work 361.1
aspects avigation 629.13256
barks forest products 634.9857
botany pharmacy 615
chemistry " 615
data logging camp 634.982257
diagnosis pathology 616.075
electricity physics 537.87
empiricism pub. health 614.26
equipment 610.78
surgery 617.91
ethics 174.2
examining boards
public health 614.24
hypnotism psychology 134.861
inspection school hyg. 371.712
jurisprudence sociology 340.6
licensing pub. health 614.24
office bldgs archi. 725.23
police public health 614.29
practise " " 614.21
regulation of
pub. health 614.25
profession 610.69
biography 926.1
see also Physicians, Surgeons etc.

Medical (cont.)
service
aircraft 629.13861
field mil. logistics 355.415
military estab. 355.72
prisons 365.664
supervision economics 331.822
testimony pub. health 614.23
treatment at home
sociology 362.14
Medicated baths archi. 725.738
therap. 615.67
Medication " 615.6
Medici, Lorenzo It. poet. 851.23
Medicinal
plants agriculture 633.88
use of stimulants ethics 178.1
zoology 591.63
Medicine 610
Bow Range, Colo hist. 978.868
dental 617.6
domestic pathology 616.02
eclectric therapeutics 615.5
free welfare work 361.1
legal, asphyxiation in
physiology 612.232
law 340.6
public health 614.23
Lodge, Kan history 978.1821
practise of pathology 616
preventive pub. health 614
state control of
public health 614.2
[1] **tropic pathology** 616.09
[1] **public health** 614.42
veterinary 619
zootechny 636.089
Medicine-ball athletics 796.41
Medicines
action of therapeutics 615.5
administration of " 615.6
antagonism of " 615.52
chemic analysis 543.4
distribution of sociol. 362.145
effects of therapeutics 615.7
external " 615.77
patent
adulterations 614.353
public health 614.27
therapeutics 615.88
see also Drugs
Medico-legal relations
public health 614.23

Medieval
architecture 723
revival 724.3
art 709.02
religious 704.9483
church history 270.3–.5
customs & cost. sociol. 390.902
Europe history 940.1
history
[2] in specific fields
see subject —0902
sculpture fine arts 734
shorthand 653.51
Medina, city, Arabia hist. 953.2
co., O " 977.135
Mediotarsal joints anat. 611.72854
Meditation
devotional religion 242
music form 781.50834
personal religion 248
piano music 786.43
Mediterranean
and Suez route commerce 387.5222
Sea history 940
physiography 551.462
Mediumistic phenomena
spiritism 133.9
Mediums
fraudulent humbugs 133.79
sculpture 731.2
Medlar (Rosaceae)
fruitculture 634.15
Médoc grape viticulture 634.8544
Medo-Persia hist., anc. 935
Medulla
histology 611.01846
oblongata
action on blood vessels
physiology 612.1812
heart
physiology 612.1785
anatomy 611.818
and respiration
physiology 612.282
physiology 612.828
spinalis anatomy 611.82
physiology 612.83
Medullary
furrows embryology 611.01351
rays stem anatomy 581.49533
sheath histology 611.018834
velum, anterior anat. 611.8163
posterior " 611.81711

Medullosaceae botany 585.966
paleobotany 561.5966
Medusae zoology 593.7
Medusagynaceae botany 583.1663
Meeker co., Minn history 977.649
Meekness ethics 179.9
Meerschaum geol., econ. 553.61
Meeseaceae botany 588.21412
Meeting halls archi. 725.83
Meetings
attendance at
library economy 023.68
office " 651.428
calls for
office correspondence 651.76
library, general 020.63
minutes of
office correspondence 651.77
social psychology 301.1583
staff library economy 023.55
office " 651.449
see also Conferences, Conventions
Megaloptera entomology 595.742
Megalopterides botany 585.971
paleobotany 561.5971
Megaloxylaceae botany 585.955
paleobot. 561.5955
Megantic co., Que hist. 971.4575
Megaric philosophers 183.6
Megaris history, ancient 938.4
Megascopes photography 778.22
Megatherium mammalogy 599.31
paleontology 569.31
Megatypes photography 778.13
Meglenitic language 459.7
literature 859
Megrim pathology 616.857
Meibomia tortuosum
(Fabaceae) field crops 633.365
Meigs co., O history 977.199
Tenn " 976.8836
Meiji period Jap. " 952.031
Meiosis vegetable cytology 581.876234
Meissen china ceramics 738.27
history 943.21
Meissner swine (Suidae)
domestic animals 636.433
Meistersingers
German poetry 831.38
musicians 780.0712
see also Minstrelsy
Melacosoma (Bombycina)
agricultural pests 632.787
Melampodium, *see* Hellebore
(Ranunculaceae)
Melampsoraceae botany 589.225
Melancholia
involution medicine 616.8957
psychology 132.1957
medicine 616.8954
psychology 132.35
Melanconiales botany 589.243
Melanconidaceae " 589.2351
Melancthon church history 270.6
Melanesia history 993
Melanophus (Acrididae)
agricultural pests 632.727
Melanotypes photography 772.14
Melanthaceae botany 584.321
Melaphyre petrology 552.39
Melastomaceae botany 583.43
Melbourne, Australia hist. 994.5
Meleagris (Gallinae)
poultry farming 636.592
Meléndez Valdés, Juan
Spanish poetry 861.46
Meliaceae botany 583.251
Meliales " 583.251
Melianthaceae " 583.2871
Melianthineae " 583.287
Melicocca bijuga
(Sapindaceae) fruitculture 634.652
Melilotus (Fabaceae)
field crops 633.366
Melinae mammalogy 599.744474
Meliorism philosophy 149.5
Melissus " 182.3
Melodeon music instrument 786.9
Melodies vocal music 784.3
Melody music 781.4
physiology 612.858745
psychology 152.28745
Melogrammataceae botany 589.2351
Melographs manufactures 681.841
Meloidae (Heteromera)
agricultural pests 632.767
see also Cantharides
Melologs vocal music 784.25
Melon
grape viticulture 634.8544
papaw (Caricaceae)
fruitculture 634.651
shaped domes
arched constr'n 721.47
Melons garden crops 635.61
Melopoeia music 781.4
Melosiraceae botany 589.6224
Melotropes manufactures 681.831
music 789.9
Melsetter history 968.9327

Melting
  points thermochemistry 541.36
    thermology 536.42
  pot theory immigration 325.18
  practical chemistry 542.48
Melville, Herman
  American fiction 813.36
Members, lists of
  in specific fields
[2] see subject —06
Membracidae entomology 595.7534
Membrana granulosa anat. 611.6512
Membrane
  basilar anatomy 611.852
    ear pathology 617.88
    physiology 612.8584
    psychology 152.284
  tympanic anatomy 611.855
    ear pathology 617.85
    physiology 612.855
    psychology 152.25
Membranes
  admin. of medicines by
    therapeutics 615.66
  cellular cytology 611.01818
Memecyloideae
  (Melastomaceae) botany 583.43
Memel history 943.11
    European war 940.4251
Memoirs biography 920
Memorabilia
[1] **student, etc., univ. & col. 378**
Memorandum
  devices
    office fittings 651.4658
      supplies 651.4668
  heads office economy 651.714
Memorandums
  office records, temporary 651.57
Memorial
  arches archi. constr'n 721.426
  arcades wall " 721.262
  day school holiday 371.365
    social customs 394.268
    US Civ. war anniv. 973.768
  sermons biography 920
    homiletics 252.9
  towers architecture 725.976
Memorials architecture 725.94
Memorizing
  music 781.633
  psychology of learning 154.432
Memory
  abstract psychology 154.25
  affective " 154.24
  aids " 154.1
Memory (cont.)
  and advertizing bus. 659.10115
    rate of learning
      psychology 154.462
  auditory psychology 154.222
  defects " 132.8
  emotional " 154.24
  games recreation 793.71
  grape viticulture 634.848109
  gustatory psychology 154.224
  images " 154.22
  lapses " 154.5
  motor " 154.226
  olfactory " 154.223
  organic " 154.23
  pathology of " 154.7
  physiology of brain 612.8212
  processes psychology 154.3
  psychology 154
    educational 370.154
  sensimaginal psychology 154.22
  study, experimental
    methods in psychology 154.072
  systems " 154.1
  tactile " 154.225
  tests
    psychology 154.8
      measurements 151.22334
  training psychology 154.1
  types of " 154.2
  vs records lit. methods 029.1
  visual psychology 154.221
Memphis
  Egypt history 962.21
  Tenn, battle, 1862
      US Civil war 973.752
    history 976.8191
Men art anatomy 743.43
    clothing for
      domestic economy 646.32
    military resources 355.22
    offenders criminology 364.372
    paintings of f. arts 757.3
    vs women as teachers 371.18
    worship comp. relig. 291.213
    see also Boys, Male
Mena, Juan de Sp. poet. 861.22
Menageries recreation 791.8
    zoology 590.74
Menander Greek drama 882.6
Menard co., Ill history 977.3555
Mencius philosophy 181.1
Mendaña islands history 996.3
Mendelism biology 575.1132
    botany 581.1582
    psychology 136.301

Mendicancy
administrative control 351.763
chairity 362.51
Mendicant orders
church history 271
Mending domestic economy 646.24
Mendocino co., Calif. hist. 979.415
Mendoncioideae
(Acanthaceae) botany 583.86
Mendoza
D H Spanish poetry 861.36
I L de " " 861.23
Menedemus philosopher 183.7
Mengo history 967.611
Meng-tse philosopher 181.1
Mengtsz, China history 951.35
Menifee co., Ky " 976.958
Menin European war, 1914 940.4213
1917 940.4313
1918 940.4364
Meningeal arteries anat. 611.133289
Meninges, cerebral " 611.819
physiol. 612.8241
spinal anat. 611.829
Meningitis medicine 616.82
Meniscus achromats
photographic lenses 771.352
Menispermaceae botany 583.116
[1] **Mennonites sect. hist.** 289.7
Men-of-war shipbldg 623.825
Menominee co., Mich hist. 977.495
Men's costumes sociology 391.1
libraries 027.623
religious societies 267.2–.3
soc. student life 371.855
Mensas altar architecture 729.912
Menstruation gynecology 618.17
physiology 612.662
Mensuration arithmetic 511.8
forestry 634.9285
photography 778.38
surveying 526.9
Mental
aberration medicine 616.8
psychology 132
abnormalities and crime
sociology 364.243
activity and attention
psychology 152.72312
age psychologic norms 151.263
alienation medicine 616.8
psychology 132.1
arithmetic elem. educ. 372.7
Mental (cont.)
associations
psychol. of recognition 154.3422
attitude and attention
psychology 152.723232
capacity
measurement childstudy 136.702
psychology 151.2
of women education 376.2
characteristics
differential psychol. 136
chronometry psychometry 152.83
conditions and diseases
therapeutics 615.851
confusion medicine 616.893
psychology 132.193
defectives
labor of economics 331.59
prison hygiene 365.664
deficiency
childstudy 136.762
education 371.922
inherited psychology 136.32
psychology 132.2
derangements
and sex diff. psychol. 136.12
childstudy 136.762
medicine 616.8
obstetrics 618.76
psychology 132
development
see Intellectual devel.
diseases medicine 616.8
psychology 132
dissociation spiritism 133.90161
enfeeblement
post-traumatic med. 616.898133
psychol. 132.198133
eugenics psychology 136.3
euthenics diff. psychol. 136.2
healing psychology 131.324
therapeutics 615.851
health psychology 131.32
heredity
genius 151.13
hygiene of progeny 613.92
metaphysics 129
psychology 136.3
hygiene education 371.71
psychology 131.3
induction hypnotism 134.233
inheritance laws
psychology 136.301

Mental (cont.)
measurements
childstudy 136.702
psychology 151.2
psychometry 152.83
psychophysics 152.82
special psychometry 152.837
overwork effect on
mental health psychol. 131.336
phenomena of sleep
psychology 135.233
philosophy psychology 150
photographs phrenology 139
physiology medicine 612.821
psychology 131
processes
duration of simple
psychometry 152.830904
higher psychology 153
psychoanalysis 131.341
struggle among
psychol. of emotions 157.0163
tests, simple psychol. 151.2232
self-discipline
psychology of will 159.24
strain effect on
mental health psychol. 131.336
telepathy psychology 133.8223
tests
childstudy 136.702
criminology 364.3018
labor demand 331.1151
psychology 151.2
psychometry 152.8309042
schools 371.26
traits
criminal psychology 364.34
genius 151.123
inherited psychology 136.3
personality 137.35
workers economics 331.71
Mentalism psychology 150.1923
Mentality, collectivistic
sociology 301.15
Mentally defective
convicts prisons 365.44
Mentation, subconscious
spiritism 133.90161
Mentha
(Lamiaceae) field crops 633.822
garden " 635.72
pulegium (Lamiaceae) bot. 583.891
Menthaceae (Labiatae) " 583.891
Menticulture psychology 131.32
Menu holders
advertizing on business 659.137
Menûfîya history 962.14
Menus engraving 769.5
for family meals
domestic econ. 642.1
Menyanthaceae botany 583.751
Menzini, Benedetto
Italian wit 857.56
Mephitinae mammalogy 599.744475
Mercantile
credit institutions
financial economics 332.312
law jurisprudence 347.7
libraries 027.2–.3
manuals bus. manage. 658.02
rules arithmetic 511.8
system polit. econ. 330.151
tables bus. manage. 658.083
theory & practise bus. 658
Mercantilism bus. manage. 658
Mercaptans organic chem. 547.3
Merced co., Calif. hist. 979.458
Mercenaries Amer. revol. 973.342
Mercer co., Ill history 977.3395
Ky " 976.9485
Mo " 977.821
NJ " 974.965
O " 977.1415
Pa " 974.895
WVa " 975.474
Fort Amer. revol. 973.3337
Mercerizing
textile process 677.02827
see also special fibers
Mercersburg theology
dogmatics 230.42
Merchandize
advertizing on business 659.137
Merchant marine
commerce 387.5
libraries 027.644
military resources 355.27
naval " 359.27
Merchantmen commerce 387.24
Merchants 380.69
[1] biography 923.8
morals ethics 174.4
Mercier, P, process
iridium photography 772.36
gold " 772.34
Mercurials cathartics 615.7326
Mercuric type personality 137.42

Mercury
arc rectifiers
electric engineering 621.31373
astronomy 523.41
chemistry 546.58
line palmistry 133.6432
metallurgy 669.7
mineralogy 549.2
mining 622.345
mount palmistry 133.642
occult astrology 133.532
ores geol., econ. 553.45
pharmacy 615.258
processes photography 772.18
pumps prac. chem. 542.77
Roman mythology 292
silver printing phot. 772.16
toxicology 615.927
transits of astron. 523.91
uranium processes phot. 772.45
vapor
bulbs photography 771.44774
lamps elec. lighting 621.3274
Mercy, Sisters of
religious orders 271.92
Mere-Mere River history 968.961
Merganser (Anseres)
ornithology 598.41
Mergers business methods 658.16
production 338.8
Meridian
altitudes and latitude
finding astron. 525.42
circles astron. instr. 522.33
city, Miss.
expedition, 1864
US Civil war 973.7361
history 976.2677
line astron., spheric 522.76
finding astron. 522.31
prime astronomy 525.46
transit out of
astronomic instr. 522.44
Meridionaceae botany 589.6236
Meridional instr. astron. 522.3
Mérimée, Prosper Fr. fict. 843.81
Merino fabrics mfg 677.3164
Merinos (Bovidae)
domestic animals 636.36
Merioneth history 942.925
Merit
soteriology 234.13
system
administration 351.6
prison administration 365.643
Meriwether co., Ga hist. 975.8455
Merkel's law psychophysics 152.8216
Merlot-Malbe grape vitic. 634.8544
Mermaids folklore 398.4
Merostomata paleozoology 565.391
zoology 595.391
Merovingians French hist. 944.01
Merrick co., Neb " 978.242
Merrimac
and Monitor, ships
US Civil war
land operations 973.7324
naval history 973.752
county, NH history 974.27
grape viticulture 634.84709
ship, sinking, 1898
US history 973.895
Merry-go-rounds recrea. 791.7
Meru history 967.64
Merveilleux textile mfg 677.02864
see also special fiber
Merycism physiology 612.3275
Merycodontidae mammal. 599.73576
paleozool. 569.73576
Mesa co., Colo history 978.817
Verde nat'l park
Colo description 917.8827
Mesencephalon anatomy 611.815
Mesenchyme embryology 611.013395
histology 611.01825
Mesenteric
arteries anatomy 611.1365
lymph glands " 611.4654
plexuses " 611.8393
veins " 611.1491–2
Mesentery " 611.383
pathology 616.38
Mesh connections
electric transmission 621.3191332
Meshed goods manufactures 677.66
Mesic formations botany 581.5264
Meslier grape viticulture 634.8544
Mesmerism psychology 134
Mesnil grape viticulture 634.8544
Mesoappendix anatomy 611.383
Mesocarpaceae botany 589.612
Mesocephaly craniology 573.7
Mesocoelia anatomy 611.8156
Mesocolon " 611.383
Mesoderm embryology 611.01339
Mesodermic
organs " 611.0136
Mesogastric region anat. 611.955
Mesogloeaceae botany 589.457
Mesology biology 575.3
botany 581.5

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Mesology (cont.)
physiology 612.0144
zoology 591.5
Mesomyodi ornithology 598.86
Mesonephros anatomy 611.619
Mesonero y Romanos
Ramón de Spanish fict. 863.52
Mesopharynx anatomy 611.3272
Mesophyl veget. morphol. 581.43
Mesophytes " " 581.5264
Mesopotamia
campaign
Eur. w., 1914 940.4231
1915 940.4261
nav. opera. 940.455
1916 940.4293
1917 940.4333
1918 940.4383
history 956.7
ancient 935.8
see also Iraq
Mesopotamian archi. styles 722.51
Mesorectum anatomy 611.383
Mesotaeniales botany 589.614
Mesozoic period geology 551.76
Mespilus (Rosaceae)
fruitculture 634.15
Mess halls prisons 365.54
Message carrying
pigeons, Eng. (Columbae)
agriculture 636.59612
journalism 070.4311
toy (Columbae)
agriculture 636.59635
training for zootechny 636.088661
Messala Corvinus, M V
Latin oratory 875.5
Messenger service
office economy 651.456
Messengers
legislative bodies 328.3625
of divinities
comparative relig. 291.215
office personnel 651.3746
Messenia history, ancient 938.9
Messenius, Johannes
Swedish drama 839.7221
Messiah
Christology 232.1
comparative religion 291.61
Messianic prophecies
Christology 232.12
Messines Eur. w., 1914 940.4213
1917 940.4311
1918 940.4342
Messmatism botany 581.55722
Metabiosis " 581.55752
Metabolic products " 581.1337
Metabolism
biology 574.13
muscular, and work
physiology 612.74424
neural physiology 612.8221
of nitrogen in urea
physiology 612.46123
physiologic botany 581.13
chemistry 612.0153
zoology 591.13
physiology 612.39
urinary, abnormal
physiology 612.46663
Metacarpophalangeal joints
anatomy 611.7278
Metacarpus anatomy 611.7178
Metachlamydeae botany 583.5
Metachromism " 581.2242
Metagelatin phot. chem. 771.58
Metagenesis biology 574.163
botany 581.163
physiology 612.6045
zoology 591.163
Metal
baths practical chem. 542.46
cable manufactures 677.72
coatings phot. chem. 771.528
conductors
radio materials 621.38417941
cord manufactures 677.72
cutting machine tools 621.932
engraving
fine arts 762
relief fine arts 761.8
heating plates
practical chemistry 542.46
manufacturing factories
architecture 725.434
manufactures 671
pavements engineering 625.87
planers machine tools 621.912
polishing dom. econ. 648.55
sheet shop eng. works 621.792
sheets, perforated mfg 677.53
supports
photographic chemistry 771.524
silver
processes 772.12
surfaces painting, art 751.224
textiles manufactures 677.53
work specimens
museum economy 069.478

Metallic
ceilings
architectural constr'n 721.74
doors archi. constr'n 721.827-.828
elements chemistry 546.3
filaments electric lighting 621.3264
films, flexible phot. 777.4
floors archi. constr'n 721.64
money financial econ. 332.419
non-, elements chem. 546.1
ores geol., econ. 533.3-.4
poisons toxicology 615.925
processes photography 772
receptacles prac. chem. 542.233
reserves financial econ. 332.52
roofs archi. constr'n 721.54
salts emetics 615.731
standards money 332.42
tractors Perkinism 615.856
tremor medicine 616.862
psychology 132.162
walls archi. constr'n 721.24
Metallism money 332.4016
Metallized filaments
electric lighting 621.32631
Metallography
engraving 763
photographic fine arts 776
Metalloplasty " " 739.14
Metallurgic plants archi. 725.432
Metallurgy 669
electro- physics 537.85
Metals
building industry 691.7-.8
coinage financial econ. 332.418
for bearings mech. eng. 621.822
history of 669
magic sorcery 133.43
military resources 355.24
mining 622.34
motor vehicle materials 629.2322
organic chemistry 547.9
precious fine arts 739.2
metallurgy 669.2
mineralogy 549
strength of engineering 620.18
transmutation of
alchemy 540.1
Metalwork arts & crafts 745.56
fine arts 739
Metalworking tools
mechanical engineering 621.9
Metamorphic rocks
petrology 552.4
Metamorphism geology 551.6
Metamorphosis
abnormal botany 581.2243
biology 574.34
botany 581.34
entomology 595.7
physiology 612.651
zoologic variation 591.151
zoology 591.34
Metaphase veget. cytol. 581.876233
Metaphors rhetoric 808
Metaphysical
healing psychology 131.324
psychology 150.1
theories of sensation
psychology 152.0161
Metaphysics 110
Metapore anatomy 611.8185
Metapsychology 133-135
Metastasio, P A D B
Italian drama 852.57
Metatarsal artery anat. 611.13794
Metatarsophalangeal joints
anatomy 611.7288
Metatarsus anatomy 611.7188
Metathalamus " 611.8146
Métayage farm economics 631.114
Metcalfe co., Ky history 976.969
Metempsychosis metaphys. 129.4
Metencephalon anatomy 611.817
Meteoriaceae botany 588.21532
Meteoric showers astron. 523.53
systems " 523.54
Meteorites astronomy 523.51
petrology 552.6
Meteorolatry comp. relig. 291.2125
Meteorologic
conditions
aeronautics 629.1324
and growth botany 581.134152
influences
differential psychol. 136.25
radio transmission 621.3841155
surveys
aircraft service 629.13855515
Meteorology
agricultural protection 632.1
agriculture 630.2515
and ecol. anat. bot. 581.52255
farming agric. 631.9
man somatology 573.4
plants veget. ecol. 581.52237
physiography 551.5
Meteors
and comets astronomy 523.56
astronomy 523.5

Metepicoele anatomy 611.8185
Meter
music composition 781.62
transformers elec. eng. 621.31438
weights & measures 389.1
Meters
audibility radio reception 621.38413645
central telephony 621.38796
electric engineering 621.373–.374
English prosody 426.5
other lang. —65
gas practical chem. 542.76
local electric lighting 621.3286
manufactures 681.12
opacity
phot. sensitometry 771.5345
phot. exposure apparatus 771.37
print photography 771.41
radio 621.3841334
capacity measurements 621.384172
waterworks 628.17
Methemoglobin physiology 612.11116
Methodist
churches sect. hist. 287
[1] **Episcopal church** 287.6
[1] **Protestant "** 287.7
Methodology education 370.18
metaphysics 112
Methods
business management 658
cooperative
political economy 334
in specific fields
[2] see subject —0189
experimental
in specific fields
[2] see subject —072
literary library econ. 029
scientific & technical
in specific fields
[2] see subject —018
Métissage zootechny 636.082432
Metopes wall constr'n 721.273
Metotypes phot. chem. 771.528
Metric system
weights & measures 389.1
Metritis obstetrics 618.73
Metrology commerce 389
Metronomes horology 681.1183
Metropolises city plan. 711.43
Metz
history 943.45
Eur. w., 1914 940.4219
1915 940.4246
air raids 940.445
Metzgeriaceae botany 588.312
Metzograph process phot. 777.3
Meun, Jean de Fr. poet. 841.18
Meurthe-et-Moselle hist. 944.382
Meuse dept, Fr. " 944.381
River Eur. w., 1914 940.4214
1918 940.4366
Meuse-Argonne campaign
European war, 1918 940.436
Mexican
architectural styles
pre-Columbian 722.911
Spanish literature 868.99792
war
1845–48 Mexican hist. 972.05
US " 973.62
For uniform subdivisions see subheads under **Civil War, US**
pension act, 1887
US history 973.85
societies of, Amer. 369.14
wild turkey (Gallinae)
agriculture 636.59212
Mexico
City, battles, 1847
US history 973.6238–9
country history 972
Gulf of
and Caribbean sea route
commerce 387.5225
physiography 551.463
state history 972.5
Meyer hearing theory
physiology 612.8501666
psychology 152.201666
Mezereon (Thymelaeaceae)
botany 583.9331
Mezzochromes
photogravure 777.18
Mezzotint process engr. 766.2
Mezzotintogravure process
photography 777.1
Mezzotints
engraving 769.662
photography 773.122
Mhains (Bovidae)
dom. anim. 636.2932

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Miami, city, Fla hist. 975.9381
co., Ind " 977.284
Kan " **978.168**
O " **977.148**
Mica
geology, economic 553.9
radio insulating material 621.384179101 95
Micah Bible 224.93
Mice (Rodentia) dom. pests 648.7
Michael 6 Byzantine hist. 949.502
Michel Angelo Buonarroti
Italian drama 852.51
Jean Fr. drama 842.22
Michigan
City, Ind history 977.291
Lake history 977.4
state
admission US hist. 973.56
history **977.4**
see note under Virginia
Michoacan history 972.3
Mickelsen, Hans, *pseud.*
Danish drama 839.81241
Miclichhoferioideae
(Bryaceae) botany 588.21415
Micrembryeae botany **583.925**
Microbes
agricultural soil 631.46
(Bacteriales)
medical etiology 616.01
intestinal physiology **612.3363**
Microcephalism psychology 132.2434
Microlepidoptera
(Heterocera) entomol. 595.782
Micrometers astronomy 522.53
Micronesia history **996.5**
Microphone
amplifiers
radio reception 621.3841363
electricity 537.82
radio 621.3841335
on aircraft 621.38419143
Microphotography
cinematic fine arts 778.56
fine arts 778.315
library economy 025.129
microscopy 578.4
Microphotometers f. arts 771.5345
Micropyle biology 574.172
botany 581.172
seed anatomy 581.46725
zoology 591.172
Microscopes
manufactures 681.413
optics 535.82
Micropscopes (cont.)
photography **778.31**
variety of biology 578.1
Microscopic
analysis chemistry 544.8
life, animal zoology **592**
material, preparation of **578.6**
tests textile mfg 677.02872
see also special fibers
Microscopy **578**
animal histology 591.8
diagnosis 616.0757
medicine **611.018**
vegetable histology **581.8**
Microspermae botany **584.1**
Microsporaceae " 589.47433
Microsporogenesis " 581.322
Microthamniaceae " 589.47428
Microthyriaceae " 589.2355
Microtome microscopy 578.4
Micturition physiology 612.46711
Midbrain anatomy **611.815**
Middelburg
Cape Colony history 968.766
Transvaal " 968.25
Middens
archeology 571.93
sanitary engineering 628.41
Middle
Atlantic States, US
history **974.7-.9**
see note under Virginia
class, education of 371.964
social groups 323.32
Park, Colo history 978.865
phalanges, pedal anat. 611.71893
manual " 611.71973
Middleman and wages econ. 331.23
Middlesex co., Conn hist. 974.66
Eng. " 942.19
Mass " 974.44
NJ " **974.941**
Ont " **971.325**
Va " 975.533
Middletown, Va, battle
1864 US Civil war 973.7377
Midges (Nematocera)
agricultural pests 632.771
Midgets, *see* Dwarfs, Gnomes
Midland co., Mich hist. 977.448
Midlands, Eng. " **942.4-.5**
Midlothian " 941.445
Midshipman's butter
(Lauraceae) fruitculture 634.653

Midwifery
antiseptics in 618.89
obstetrics 618.2
Mie, Japan history 952.182
Mifflin co., Pa " 974.846
Fort Amer. revol. 973.3337
Mignonet (Resedaceae) bot. 583.133
Migraine pathology 616.857
Migrant children, care of
sociology 362.74
labor economics 331.796
Migration
animal ecology 591.52
causes of polit. sci. 325.13
of men ethnology 572.3
nations Eur. hist. 940.11
hist., anc. 936
political science 325
silvics 634.94823
types political science 325.12
vegetable ecology 581.5226
Migratory
apiary agriculture 638.1114
habit apiculture 638.12152
Mihrabs arched constr'n 721.48
archi. design 729.348
Mijertins
sultanate history 967.74
Mikawa " 952.1681
Mikkelsen, Hans
Danish literature 839.81823
pseud. Danish drama 839.81241
Milá y Fontanals, Manuel
Spanish literature 868.53
Milan history 945.2
Milanji " 968.9785
Mildew resistant grapes
viticulture 634.83673
Mildews
downy (Peronosporineae)
botany 589.252
(Perisporiineae)
agricultural pests 632.4355
Milfoil
(Anthemidaceae) bot. 583.5537
water- (Haloragaceae)
botany 583.417
Militarism and crime
sociology 364.257
Military
academies mil. science 355.071
accidents ordnance 623.483
administration 355.6
administrative estab. 355.75
aeronautics engineering 623.74
Military (cont.)
and naval
order of the US 369.113
service, united 355
antiquities sociology 355.0901
architecture
fortifications 623.1
military engineering 623.61
bands music 785.13
bounties 355.22
bridges engineering 623.65
buildings architecture 725.18
celebrations 355.16
ceremonials 355.17
classes, *see* Classes, mil.
colonies polit. sci. 325.312
command 355.331
cookery
domestic economy 641.573
equipment mil. sci. 355.81
costume 355.14
decorations 355.134
discipline 355.133
drill school hygiene 371.733
duels 355.132
engineering 623
tools mil. equipment 355.84–.85
equipment & supplies 355.8
establishments 355.7
buildings engineering 623.613
etiquette 355.13
exploits tactics 355.48
forces, organization of 355.3
[1] **geography** 355.47
gov't colonization 325.315
hierarchy staff 355.33
history tactics 355.48
honor 355.13
hospitals sociology 362.1
hygiene medicine 613.67
instructors 355.34
intervention
capital & labor 331.898
law military science 355.00037
life 355.1
[1] **European war** 940.483–.484
in peace & " 355.12
US Civil " 973.783–.784
[1] **men biography** 923.5
[1] **missions sociology** 355.09
morale, civilian 355.23
order of
foreign wars of the US 369.115
the Loyal legion of the
US 369.152

Military (cont.)
organization in schools
education 371.43
pay 355.135
pensions, civil 351.5
photography engineering 623.72
police 355.133
post libraries 027.652
prisons 355.71
radio service eng. 621.3841952
railways " 623.63
records
forms military equip. 355.87
military admin. 355.61
relig. orders heraldry 929.7
requisitions
military administration 355.61
resources 355.28
reservations
landscape art 719.37
resources 355.2
retired, status of 355.114
roads engineering 623.62
saddle horse (Equidae)
domestic animals 636.13
salutes 355.134
sanitation engineering 623.75
science 355
service 355.11
recruitment 355.22
special 355.34
suffrage limitations 324.177
training 355.5
services military sci. 355
signals engineering 623.73
soc. of the war of 1812 369.143
surgery medicine 617.99
surveying topography 526.99
telegraphy, telephony
and radio eng. 623.732–.733
territorial divisions
military science 355.45
topography engineering 625.71
towns city planning 711.414
training, universal 355.22
trials martial law 344
uniforms manufactures 687.15
zones military science 355.28
Militia
military organizations 355.351
system military science 355.22
Milk analysis
chemistry 543.2
dairy industry 637.1277
state inspection 614.321

Milk (cont.)
and nutrition
physiology 612.39284
animal secretions 591.146
as food
domestic economy 641.11
hygiene 613.28
care of
dairy industry 637.13
changes in physiol. 612.6646
chem. of " 612.6641
comparison of animal
physiology 612.66419
composition
dairy industry 637.127
condensed
dairy industry 637.142
state inspection 614.324
cooler dairy indus. 637.1321
curdling
and gastric juice
physiology 612.3216
physiology 612.664171
cure therapeutics 615.854
dairy industry 637.1
delivery & sale
dairy industry 637.135
digestion of
physiology 612.6647
diseases dairy indus. 637.16
evaporated
dairy industry 637.1415
farina dairy indus. 637.144
fermented " " 637.146
fever obstetrics 618.71
grades dairy indus. 637.1276
houses architecture 728.96
human physiology 612.664191
impurities
dairy industry 637.16
pans dairy industry 637.1327
physiology of
lactation 612.664
powder dairy indus. 637.143
preservation
dairy industry 637.133
prices dairy indus. 637.1185
production
dairy industry 637.12
products
state inspection 614.32
skim
dairy industry 637.147
state inspection 614.324
storage dairy indus. 637.1327

Milk (cont.)
substitutes
dairy industry 637.18
sugar, *see* Lactose
testing dairy indus. 637.1276
utilization of
dairy industry 637.14
veget. dairy indus. 637.181
whole " " 637.141
yield
feeding for
zootechny 636.08452
raising for
zootechny 636.0883
Milkers, mechanical
dairy industry 637.125
Milking dairy industry 637.124
Milkweed (Asclepiadaceae)
apiculture 638.155
Milkwort (Polygalaceae) bot. 583.143
Mill, J S philosopher 192.7
dams hydraulic eng. 627.8
districts
city zoning 711.5547
gearing mech. eng. 621.85
towns city planning 711.4547
work mech. eng. 621.8
Mille Lacs co., Minn hist. 977.668
Millenium eschatalogy 236.3
Miller
C H American poetry 811.45
Joaquin " " 811.45
Miller co., Ark history 976.756
Ga " 975.8964
Mo " 977.856
Millerand, Alexandre pres. 944.08
[1] **Millerites sect. hist.** 286.7
Millery sheep (Bovidae)
domestic animals 636.3469
Millet
kodo (Paniceae)
forage crops 633.266
(Paniceae, Andropogoniae)
field crops 633.171
Millevoye, C H Fr. poet. 841.67
Milliken repeaters
telegraphy 621.38324
Millinery domestic econ. 646.5
trades 687.4
Milling numismatics 737.44
tools mech. eng. 621.91
Millionaires
wealth distribution 339.24
Millipeds (Chilognatha)
zoology 595.61
Mills architecture 725.4
city planning 711.664
co., Ia history 977.774
engineering 621.7
grape viticulture 634.84709
manufactures 670
Millstones mach. tools 621.922
Millwrighting engineering 621.7
Milo
maize (Andropogoneae)
field crops 633.177
yellow (Andropogoneae)
field crops 633.178
Milos swine (Suidae)
domestic animals 636.472
Milpomenio, Polidete
pseud. Italian poetry 851.63
Milton, John Eng. poet. 821.47
co., Ga. history 975.8234
Milwaukee co., Wis " 977.594
Mimasaka " 952.1947
Mimbars architecture 729.92
Mimeographing lib. econ. 025.129
Mimeographs
manufactures 681.62
writing mediums 652
Mimetic arts theater 792
Mimicry
comparative physiology 612.0162
ethics 177.1
protective
animal ecology 591.57
biology 575.3737
vegetable ecology 581.5737
Mimosoideae botany 583.321
Mimus polyglottos
(Acromyodi) aviculture 636.686
[4] **Minaean language** 492.9
Minam nat'l forest, Ore
description 917.9571
Minamoto shoguns
Japanese history 952.0211
Minarets architecture 726.28
Minche, China history 951.24
Mind
and body psychology 130
animal zoology 591.51
childstudy 136.72
collective sociology 301.15
comparative psychology 151.35
cure psychology 131.324
therapeutics 615.851

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Mind (cont.)
physiology of brain 612.821
psychology 150
educational 370.15
readers biography 920.913382
reading hypnotism 134.52
recreation 793.8
telepathy 133.82
Mind-body
performance psychol. 150.1925
relations therapeutics 615.851
Mind-dust psychology 130.16334
Minding schools
child welfare 362.75
Mine
buildings architecture 725.431
Run, Va, campaign, 1863
US Civil war 973.7353
surveying engineering 622.14
geodesy 526.99
timbers forest products 634.9837
warfare mil. science 355.44
Mineplanters shipbuilding 623.826
Mineral
amendments to soil
agriculture 631.82
claims public finance 336.13
county, Colo history 978.838
WVa " 975.494
district Ala history 976.17
division, " " 976.15
fibers textile mfg 677.51–.52
foods physiology 612.3926
irritants toxicology 615.92
lands economic use 333.8
taxation 336.228
oils chemic technology 665.4
geol., economic 553.28
products economics 338.2
eng. materials 620.195
resources, *see*
Geology, economic
roads mining 622.69
salts, *see* Salts
substances
assimilation of bot. 581.13354
metabolism of
physiol. chem. 612.01531
surveys
aircraft service 629.1385553
mining 622.13
trades and pollution
public health 614.72
veins geol., economic 553.19
Mineral (cont.)
waters
adulterations 614.348
buildings for archi. 725.75
chemic technology 663.6
economics 338.374
exploitation min'g 622.37
geology, economic 553.7
hygiene 613.38
therapeutics 615.79
wealth city planning 711.14
wool, *see* Wool, mineral
Mineralogy 549
of Peru 549.985
Siberia 549.957
US 549.973
etc.
see also Geology
Minerals
extraction of mining 622.61
in food dom. economy 641.17
milk physiology 612.66416
muscle " 612.74416
Minerals
military resources 355.24
petrography 552.81
zootechnic feeding 636.0843
food 636.0877
Miners accidents eng. 622.85
mil. eng. service 358.2
Minerva Rom. mythology 292
Mines
administrative regula. 351.823
counter- military eng. 623.36
exploitation of eng. 622.3
floating & submerged
naval engineering 623.9
land economics 333.8
mil. engineering 623.826
Mine-sweepers shipbuilding 623.826
Ming dynasty Chinese hist. 951.026
Mingo co., WVa history 975.448
Revulgo Sp. wit 867.2
Mingrelian language 499.9623
Minho history 946.91
Minhow, China history 951.2452
Miniature
enameling ceramics 738.45
theater recreation 791.5
Miniatures painting 757.7
Minidoka
county, Ida history 979.633
nat'l forest, Ida descr. 917.9639
Minie ball ordnance 623.4552

Minima and maxima
  algebra 512.3
  calculus 517.27
  geometry 513.19
Minimal changes method
  psychophysics 152.82322
Minimum wage economics 331.2155
Mining
  accidents engineering 622.8
  aircraft service in 629.13862
  and forest policy agric. 634.925172
    forestry agric. 634.9242
  areas reg. planning 711.32
  engineering 622
  engines locomotive eng. 621.13268
  hydraulic 622.32
  machinery, hydraulic
    mech. engineering 621.269
  practical 622.2
  products economics 338.2
  prospectuses engineering 622.19
  towns city planning 711.45422
Minisink reg. Amer. revol. 973.3353
Ministerial authority
  ecclesiastic polity 262.8
Ministers
  diplomatic polit. sci. 327
  religion 250.69
  religious biography 922
  United States gov't 353.04
  see also Cabinet members
Ministries architecture 725.12
    constit. law 342
Ministry
  comparative religion 291.61
  ecclesiastic polity 262.1
  parochial religion 258
  pastoral work 250
Mink (Mustelinae) mammal. 599.744472
Minneapolis, Minn hist. 977.6579
Minnesingers Ger. poet. 831.2
    wit 837.2
    musicians 780.0712
  see also Minstrelsy
Minnesota
  River valley, Minn hist. 977.63
  state, admission US hist. 973.68
    history 977.6
    see note under Virginia
Mino history 952.1611
Minoan archi. styles 722.61
Minorca history 946.7
Minorcan fowls (Gallinae)
  agriculture 636.562
Minorites Franciscans 271.3
Minority representation
  suffrage 324.223
Minors private law 347.6
    taxation 336.251
Minot, Laurence Eng. poet. 821.14
Minstrel show recreation 791.1
Minstrels musicians 780.0712
Minstrelsy lit., Amer. 811
    Eng. 821
[3] other —1
    negro music 784.756
    rhetoric 808.1
Mint
  par foreign exchange 332.45
  ratio vs market ratio
    bimetalism 332.423
  sweep numismatics 737.44
Minting " 737.44
Mints architecture 725.144
    fin. economics 332.46
Mints (Lamiaceae)
  field crops 633.822
  garden " 635.72
Minuet dances 793.32
    music form 781.50851
      movement 781.50813
Minute receivers
  electric clockwork 681.1163
Minutes of meetings
  office correspondence 651.77
Minya history 962.26
    Konka, Mt., China
      history 951.37
Miocene period geology 551.782
Miquelon islands history 971.8
Miracle plays, *see* Drama
Miracles doc. theology 231.73
    NT 226.7
    occultism 133.4
Mirage optics 535.3
Miro district, Tenn hist. 976.84
Mirror
  cameras photography 771.3192
  cleaning dom. economy 648.54
Mirrors
  costume 391
  fine arts 748.8
  manufactures 681.42
  optics 535.87
  photographic lenses 771.352
  reversing photography 771.357
  transparent, in adver. 659.136
Mirroscopes photography 778.22

Mirza-Schaffy, *pseud.*
German poetry 831.84
Miscarriage pathology 618.39
Miscegenation
and genius psychology 151.13
ethics 173.1
hygiene 613.9
private law 347.6
Miscellanies
devotional prac. relig. 244
general polygraphy 082.2
literature, American **818**
English **828**
[3] other —8
in specific fields
[2] see subject —08
Mischococcales botany 589.4853
Miserere seats archi. 729.935
Miserliness
wealth consumption 339.46
Misers biography 920.8
Mish grape viticulture 634.848109
Mishna Judaism 296
Misrule, Lord of
social customs 394.2625
Missals, annotated music 783.21
Catholic ritual 264.025
illuminated 096.1
see also Service books
Missaukee co., Mich hist. 977.466
Missing
limbs, illusions of
psychology 152.736
link evolution 575.8
Mission
Calif., architecture **724.1794**
churches " 726.55
Congregation of priests of
the relig. order 271.77
grape viticulture 634.849
Missionaries 266.069
biography **922**
Missionary
music fine arts 783.7
Ridge, Tenn
battle, 1863
US Civ. war 973.7359
history 976.882
schools education 377.6
Missions
architecture 726.98
comparative religion 291.7
home & foreign relig. **266**
Jesuit, in East ch. hist. 270.6
military sociology **355.09**
Missions (cont.)
of Catholic church 266.2
Greek " 266.19
Prot. Epis. " 266.3
etc.
parish relig. revivals 269
protestant ch. hist. 270.8
Missisquoi co., Que hist. 971.462
Mississippi
alluvial plain, Ark hist. **976.78**
bubble fin. economics 332.310944
county, Ark history 976.795
Mo " 977.898
delta parishes, La. **976.33**
embayment, Ky hist. **976.99**
plateau, Ky " **976.96**
River " **977**
River valley, Ky " **976.99**
Sound history **976.211**
state
admission US history 973.54
history **976.2**
see note under Virginia
secession US hist. 973.713
valley counties, Tenn **976.811**
Missouri
compromise, 1820
US Civ. war causes 973.7113
history 973.54
River valley hist. **978**
Neb " **978.22**
state, admission US hist. 973.54
history **977.8**
see note under Virginia
Mistassini co., Que hist. 971.411
Mistletoe (Loranthineae)
botany 583.941
Mistral, Frédéric
Provençal poetry 849.146
Mitchell, D G Amer. lit. 818.32
co., Ga history 975.897
Ia " 977.7234
Kan " 978.123
NC " 975.6865
Mt, NC descr. 917.56871
Mitella (Saxifragaceae)
botany 583.381
Miter arches archi. 721.422
eccles. insignia 247.6
Miterwort
(Loganiaceae) botany 583.74
(Saxifragaceae) " 583.381
Mites (Acarina) pathology 616.9685
zoology 595.42

Mithracism Zoroastrianism 295
Mithridatic war Rom. hist. 937.05
Mitosis biology 576.3623
veget. cytology 581.87623
Mitrahineh (Memphis) hist. 962.21
Mitteniaceae botany 588.21414
Mittens manufactures 685.47
Mixed arches archi. 721.423
drinks chem. tech. 663.8
Mixing machines
sewage disposal 628.342
Miyagi history 952.114
Miyako " 952.1912
Miyazaki " 952.27
Mlanje " 968.9785
Mnemonic
apprehension psychol. 154
derangements " 132.8
Mnemotechny " 154.1
Mniaceae botany 588.21415
Moa (Dinornithidae)
ornithology 598.54
Moab history, ancient 939.46
Moabite stone inscriptions
philology 492.617
Moali island history 969.41
Moats fortifications 623.117
landscape art 714.4
Mob psychology sociol. 301.1582
Moberly, Mo history 977.8281
Mobile
Bay, Ala, campaign, 1864
US Civ. war 973.7372
nav. hist. 973.754
history 976.1211
city, Ala., campaign, 1865
US Civil war 973.7388
county, Ala history 976.122
district, Miss. " 976.21
Mobility of movement
military logistics 355.415
Mobilization
military maneuvers 355.51
science 355.2
Mobs criminology 364.374
public order 351.752
Moccasin-flower (Orchidaceae) botany 584.15
Mockingbirds (Acromyodi)
aviculture 636.686
Mock-orange
(Cucurbitaceae) botany 583.461
(Hydrangeaceae) " 583.381
(Prunaceae) " 583.37
(Sapotaceae) " 583.6811
(Styracaceae) " 583.6861
Modad and Eldad
pseudepigrapha 229.913
Modalities, sensational
psychology 152
Model
city types civic plan. 711.427
tanks shipbuilding 623.83
Modeling ceramics 738.14
elem. educ. 372.53
metal arts 739.14
museum econ. 069.411
sculpture 731.42
Models
art education 707.8
construction of
museum methods 069.42
drawing 741.42
experimental aeronautics 629.1307252
landscape art 712.35
living, and modeling
advertizing 659.138
painting 751.33
sculpture equipment 731.3
Modena history 945.4
Modern
architectural styles 724
customs & costumes 390.903
Europe history 940.2–
history 940–999
general 909
in specific fields
[2] see subject —0903
sculpture fine arts 735
Modernistic architecture 724.91
Modes, *see* Moods
Modesty ethics 179.9
Modifications
social psychology 301.1533
Modiolus anatomy 611.853
Modoc
county, Calif. history 979.423
Indian war, 1872–73
US history 973.82
Modulating systems radio 621.384152
Modulation
measurement radio 621.384178
music 781.3
radio circuits 621.384128
Modulators
electron tubes in radio 621.3841327
radio 621.3841335
Mörk, J H Swed. fiction 839.7341
Moero, Lake history 968.961
Moesia hist., ancient 939.88
Moffat co., Colo history 978.812
Mogador history 964.6

Mogul archi. styles **723.34**
Moguls locomotive eng. 621.13262
Mohair goat hair indus. 677.3364
textiles dom. econ. 646.13
Mohammedan
architectural styles **723.3**
cookery dom. economy 641.567
philosophers 189.3
temples architecture **726.2**
Mohammedanism
and education 377.97
comparative religion 297
Mohammedan-Rumanian
language 459.7
literature 859
[1] **Mohammedans biography** 922.97
Mohawk valley, NY, massacre
American revolution 973.3345
Moheli island history 969.41
Moiring textile process 677.02824
see also special fibers
Moist soils floriculture 635.9552
Moisture
aeronautics 629.13247
conservation of agric. 631.79
effect
radio transmission 621.38411557
vegetable ecology 581.5427
hygiene 613.14
meteorology 551.57
of soil agriculture 631.432
prevention of
biologic collecting 579.83
properties of
living matter 577.4
tests textile mfg 677.02874
see also special fibers
therapeutics 615.833
see also Humidity
Mokanshan, China history 951.242
Molar pregnancy pathol. 618.39
Molasses chemic tech. 664.1
Molbech, C K F Dan. drama 839.81265
Mold
butter industry 637.2328
diseases of brood apic. 638.1544
honey " 638.1663
fungi (Hyphomycetes) bot. **589.2411**
Moldavia history 949.8
Moldavian
architectural styles **723.23**
language 459.7
literature 859
swine (Suidae) dom. anim. 636.474
Molding
cheese industry 637.3338
metal arts 739.14
manufactures **671**
motor vehicles 629.2344
museum economy 069.412
processes photengr. 777.5
sculpture 731.43
Moldings
architectural design 729.318
carved archi. dec. 729.55
interior decoration 747.34
painted archi. dec. 729.45
wall construction **721.27**
Moldlike saprophytes (Zygomycetes) botany **589.28**
Moldloft shipbuilding 623.83
Molds
photomechanical printing
photography 771.8
water- (Saprolegniineae)
botany 589.26
Mole . gynecology 618.14
plow farming 631.3126
Molecular
compounds chem., theor. 541.5
concentration of organic fluids physiology **612.0144622**
heat thermochemistry 541.36
life biology 577.23
physics **539**
structure physics 539.1
Molecules
displacement of physics **539.5**
theoretic chemistry 541.2
Moles (Insectivora)
mammalogy 599.33
Moleskin textile mfg 677.68
Molière, J B de, *pseud.*
French drama 842.42
Molina, Tirso de, *pseud.*
Spanish drama 862.33
Moline, Ill history 977.339
Molinier, Guillem
Provençal poetry 849.131
Molinism doc. theology 234.115
heresies 273.7
Molinists, persecution of
church history 272.5
Molino del Rey, Mexico
battle, 1847 US hist. 973.6239
Molise history 945.71
Mollisiaceae botany 589.2332
Molluginaceae " 583.476

Mollusca paleozoology 564
zoology 594
Molluscoidea " 594.6
Molluscous silk mfg 677.453
Mollusks fishery 639.4
Molteno history 968.7695
Molting anim. embryology 591.34
Moluccas history 991.3
Molybdates mineralogy 549.74
Molybdenum
chemistry 546.77
processes phot. 772.43
Molza, F M It. fiction 853.33
poetry 851.34
Mombasa history 967.66
Mombera " 968.9725
Moment musical music form 781.50833
Moments statics 531.23
Mommu Jap. history 952.0149
Momoyama period Jap. hist. 952.0242
Momozono Jap. history 952.02526
Monachism church hist. 271
Monaco history 944.949
Monad ontology 111.3
Monadaceae botany 589.9746
Monaghan history 941.67
Monandrae (Orchidaceae)
botany 584.15
Monarch
foreign government 354
worship comp. religion 291.213
Monarchs
[1] **biography** 923.1
of states Ger. gov't 354.4307
Monarchy polit. science 321.6–.7
Monascidiae zoology 594.93
Monasteries architecture 726.7
church hist. 271
Monastery
gardens landscape art 712.627
grounds " " 712.76
Monastic
communities city plan. 711.46
libraries 027.672
orders church hist. 271
schools education 377.3
Monastir Eur. w., 1915 940.4256
1916 940.4282
Monckhoven process phot. 772.13
Monckton, NB history 971.523
Mondeuse grape
French viticulture 634.8544
Swiss " 634.85494
Mondolingue
universal language 408.9
Monel metal work f. arts 739.56
Monetary
characteristics
fin. economics 332.412
congresses fin. econ. 332.44
denominations " " 332.415
functions " " 332.411
metals, nationalization of 332.418
standards
commodity fin. econ. 332.56
fin. economics 332.42
int'l fin. econ. 332.43
theories fin. econ. 332.401
Monetization fin. econ. 332.421
Money
admin. regulations 351.822
aid poor relief 362.53
and prices fin. econ. 332.413
brokers stock exchange 332.62
circulation fin. econ. 332.414
counting machines
manufactures 681.145
office equipment 641.2641
financial economics 332.4
income wealth appraisal 339.3
making ethics 174.4
metallic fin. econ. 332.419
nonmetallic " " 332.5
orders " " 332.76
postal service 383.3
paper counterfeiting 332.93
engraving 767.8
pools production 338.83
prize naval science 359.134
soliciting by employes
library economy 023.93
office " 651.443
wages economics 331.2154
see also Currency
Mongalla history 962.9
Mongol dynasty
Chinese history 951.025
Mongolia history 951.7
Inner hist. 951.74
Outer " 951.73
Mongolian languages 494.2
Mongolicza swine (Suidae)
domestic animals 636.472
Mongolism psychology 132.24322
Mongols history 950
Russian 947.03
Mongoose (Herpestidae)
mammalogy 599.74424
Mongrelization biology 575.132
Moniliales botany 589.2411
Monimiaceae " 583.1147

Monism
philosophy 147
pseudo- psychology 130.16234
psychology 130.163
Moniteau co., Mo history 977.852
Monitions spiritism 133.93
Monitor and Merrimac, ships
US Civ. war, 1862
land operations 973.7324
naval history 973.752
Monitorial system educ. 371.41
Monitors school gov't 371.57
shipbuilding 623.825
Monkeypot tree (Lecythidaceae) botany 583.423
Monkeys (Cynopithecidae & Platyrrhini) mammalogy 599.82
Monkoya history 968.951
Monks, Black Benedictines 271.1
religious orders 271
Monmouth
county, Eng. history 942.43
NJ " 974.946
Court House, NJ, battle
American revolution 973.3342
Monmouth's rebellion
English history 942.067
Mono co., Calif. hist. 979.448
Monoblepharidineae bot. 589.263
Monocacy, Md, battle, 1864
US Civil war 973.7369
Monochela mammalogy 599.725
Monochlamydeae botany 583.9
Monochromatic light optics 535.6
Monochrome
drawing fine arts 741.27
painting " " 752.6
water color painting
fine arts 751.42
Monociliaceae botany 589.483
Monocles
phot. viewing devices 771.46
Monocotyledons
anomalous botany 584.99
botany 584
epigynous botany 584.1–.2
forestry 634 974
Monocycles engineering 629.2271
Monodelphia mammalogy 599.3
Monoecious diclinism bot. 581.1662542
Monogamy demography 312 5
ethics 173.2
hygiene 613.89
Monograms
arts & crafts 745.6
engravers' fine arts 769.41
Monoliths archeology 571.94
Monomania medicine 616.8972
psychology 132.1972
Monomera entomology 595.7523
Monometalism fin. econ. 332.422
Monona co., Ia history 977.744
Monongahela River valley
WVa history 975.451
Monongalia co., WVa hist. 975.452
Monopetalae botany 583.5
Monophysite churches
[1] **sectarian history** 281.6
Monoplanes aviation 629.1333431
Monopolies
gilds production 338.64
labor economics 331.8808
production 338.82
state pub. finance 336.19
Monopoly prices economics 338.52
Monorail
rolling stock eng. 625.28
tracks railway " 625.146
Monorailways commerce 385.65
Monosaccharids and nutrition
physiology 612.39613
Monotheism comp. relig. 291.14
Monotoideae (Dipterocarpaceae) botany 583.167
Monotony
landscape art 712.25
vs variety lib. work 023.701
office econ. 651.451
Monotremata mammalogy 599.1
Monotropaceae botany 583.63
Monotype engraving 766.8
journalism 070.3222
printing 655.28
Monroe, James, presidency
US history 973.54
Monroe
city, La. history 976.3871
county, Ala " 976.125
Ark " 976.787
Fla " 975.941
Ga " 975.8563
Ill " 977.391
Ind " 977.2255
Ia " 977.7865
Ky " 976.9685
Mich " 977.432
Miss. " 976.2975

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Monroe (cont.)
county (cont.)
Mo history 977.8325
Neb " 978.252
NY " **974.788**
O " 977.196
Pa " 974.825
Tenn " 976.888
WVa " 975.478
Wis " 977.554
doctrine polit. science 327.73
Monro's foramen anatomy 611.8148
Monrovia history 966.62
Mons Eur. w., 1914 940.4212
1918 940.4366
Mons veneris anatomy 611.6731
Monsoon
formations veget. ecol. 581.526423
meteorology 551.51
Monstera deliciosa (Araceae)
fruitculture 634.7762
Monsters, fabulous 398.4
Monstrosities
anatomy **611.012**
animal variation 591.159
hygiene of progeny 613.91
somatology 573.9
surgery **617.3**
vegetable teratology **581.22**
variation 581.159
Mont
Blanc description 914.449
Kemmel
Eur. w., 1918, April 940.4342
Aug. 21 940.4353
31 940.4356
Montagu
Mrs Elizabeth (Robinson)
English letters 826.62
Lady Mary (Pierrepont)
Wortley Eng. letters 826.51
Mantaigne, M E de
French essays 844.31
Montana, admission US hist. 973.86
history 978.6
see note under **Virginia**
Montanism heresies 273.9
Montares sheep (Bovidae)
domestic animals 636.366
Montcalm & Wolfe US hist. 973.26
co., Mich hist. 977.453
Que " 971.441
Montdidier
Eur. w., 1918, March 940.4341
August 940.4353
Monte card games 795.42
Carlo history 944.949
Montefiore grape vitic. 634.843209
Montemayor, Jorge de
Spanish fiction 863.31
Montenegro
campaign, 1915 Eur. w. 940.4257
1916 " " 940.4284
history 949.7
Monterey
city, Mexico, battle, 1846
US history 973.6235
county, Calif. history 979.476
Montesquieu, C L de Secondal
French essays 844.52
Montessori method
elementary education 372.31
Montezuma co., Colo hist. 978.827
Montgolfier ram mech. eng. 621.272
Montgolfiers aeronautics 629.13322
Montgomery, Richard, Can.
exped. Amer. revol. 973.3315
Montgomery
county, Ala history **976.147**
Ark " 976.743
Ga " 975.883
Ill " 977.382
Ind " 977.248
Ia " 977.775
Kan " **978.193**
Ky " 976.955
Md " 975.284
Miss. " 976.264
Mo " 977.838
NY " 974.746
NC " 975.674
O " **977.172**
Pa " 974.812
Tenn " 976.845
Va " 975.5785
Wales " 942.94
Fort Amer. revolution 973.3335
Montgomery's glands anat. 611.691
Month
chronology 529.2
sidereal astron., lunar 523.33
Monti, Vincenzo It. poet. 851.64
Monticola, vitis agric. 634.8437
Montmagny co., Que hist. 971.4735
Montmorency
county, Mich history 977.483
Que " 971.448
Montoku Jap. history 952.01616
Montour co., Pa history 974.839

Montpelier, Vt history 974.839
Montreal, Que " 971.4281
Montrose co., Colo " 978.819
Monts de piété
admin. regulations 351.825
architecture 725.248
financial economics 332.33–.34
Montserrado history 966.61
Montsioa's country hist. 968.18
Monumental
aqueducts
landscape constr'n 713.74
squares landscape art 712.524
Monuments
cemeteries 718.66
cemetery architecture 726.82
city planning 711.68
geodetic triangulation 526.32
landscape art 717.9
nat'l nat. landscape 719.32
natural, reserves
landscape art 719.352
prehistoric archeology 571.9
sculpture 731.76
see also Antiquities
Moods
and choice
psychology of will 159.12424
English etymology 422.8
[3] other lang. —28
syntax 425.8
[3] other lang. —58
psychology of emotions 157.13
variability of
medicine 616.8953
psychology, abnormal 132.1953
Mooi River Dorp history 968.29
Moon
and longitude finding
astronomy 525.49
tides " 525.62
astronomy 523.3
line palmistry 133.6432
mount palmistry 133.642
occult astrology 133.532
type typography 655.38
worship comp. relig. 291.2127
Moonding (Bovidae)
domestic animals 636.2932
Moonlight phot. f. arts 771.4491
Moonseed (Menispermaceae)
botany 583.116
Moore
Anacreon, *pseud.*
English poetry 821.75
Moore (cont.)
Edward Eng. essays 824.61
Thomas " poetry 821.75
Moore
county, NC history 975.635
Tenn " 976.8627
early grape vitic. 634.847
lamp elec. lighting 621.3275
tonal theory music 781.1
physiology 612.85874414
psychology 152.2874414
Mooring masts
airport equipment 629.1364
architecture 725.39
Moorish
arches
architectural constr'n 721.414
multifoiled archi. 721.427
pointed " 721.422
architectural styles 723.32
kingdom Spanish hist. 946.02
language 493.3
Moors expulsion Sp. hist. 946.03
Moorwort (Ericaceae) bot. 583.62
Moot courts legal educ. 340.77
Moquette carpet mfg 677.643
Moraceae botany 583.9622
Moraceous fruits (Moraceae)
agriculture 634.36
Moraines geology 551.32
Moral
conditions demography 312.7
defectives childstudy 136.763
education of 371.93
education 377
expectations
math. probabilities 519.2
gov't school discipline 371.58
impotence psychology 132.755
insanity childstudy 136.762223
psychology 132.223
law and Gospels
Antinomianism 273.6
organism, state as
political science 320.154
philosophy ethics 170
sense " 171.2
systems " 171
traits lib. employes 023.52
personality 137.32
turpitude immig. limit. 325.154
viewpoint, in specific
[2] fields see subject —009
Morale
civilian military sci. 355.23

Morale (cont.)
ethics 179.6
psychology 157.52
social 301.1522
soldiers' military sci. 355.12
students' education 371.5
teachers' " 371.101
Morality
bases ethics 171
military science 355.13
plays, *see* Drama
working conditions 331.827
Morals
and church theology 261.4
forests agriculture 634.9234
commercial 174
[1] **history of ethics** 170.9
of the press ethics 179.1
journalism 070.11
war ethics 172.4
workmen's economics 331.84
Morastel grape vitic. 634.8544
Moratin
L F de Spanish drama 862.42
N F de " poetry 861.41
Moratoriums fin. econ. 332.75
public debt 336.36
Moravia history 943.72
[1] **Moravian church** 284.6
[4] **language** 491.871
missions relig. 266.46
Moray history 941.23
Morbid anat. pathology 616.0758
habits hygiene 613.87
Morbidity demography 312.3
public health 614.15
Morbihan history 944.13
Mordant processes, dye
photography 773.53
Mordants engraving 760.78
phot. chemistry 771.55
[4] **Mordvinian language** 494.522
More, Thomas Eng. fict. 823.2
Morea history 949.5
Morehouse parish, La. hist. 976.384
Morelos history 972.4
Moresnet " 949.3
Moresque archi. styles 723.32
Moreto y Cavana, Agustin
Spanish drama 862.37
Morfe common sheep
(Bovidae) dom. anim. 636.3236
Morgagni's hydatids
female anatomy 611.669
male " 611.633
Morgan, J H, Ohio raid, 1863
US Civil war 973.7342
Morgan
county, Ala history 976.193
Colo " 978.874
Ga " 975.8595
Ill " 977.346
Ind " 977.251
Ky " 976.925
Mo " 977.853
O " 977.194
Tenn " 976.874
WVa " 975.496
horse (Equidae)
dom. animals 636.1281
Morganatic marriage
ethics 173.1
sex customs 392.6
Morgantown, WVa history 975.453
Morgues architecture 726.88
public health 614.68
Morikuni, Prince
Japanese history 952.02128
Moringaceae botany 583.1222
Moriolaceae " 589.16
Moriyoshi, Prince
Japanese history 952.02129
Morlancourt
Eur. w., 1918, March 940.4341
August 940.4353
[1] **Mormon church** 289.3
Morning prayer
Catholic ritual 264.023
Greek " 264.0193
Prot. Epis. " 264.033
etc.
Morning-glory (Convolvulaceae) botany 583.78
Morocco
Africa history 964
city, Africa history 964.6
grape, black vitic. 634.849
work arts & crafts 745.53
Morogoro history 967.83
Moroideae (Moraceae) bot. 583.9622
Moronity childstudy 136.7622424
psychology 132.2424
see also Feeblemindedness
Moronoboideae (Guttiferaceae) botany 583.163
Mororam history 952.43
Morotoki Jap. history 952.02127
Morhphia process phot. 772.14
Morphinism hygiene 613.85
medicine 616.86

Morphinomania ethics 178.8
psychology 132.73
Morphogeny
and nervous system
physiology 612.8013
physiology 612.605
Morphologic phenomena
heredity 575.17
Morphology
biology 574.4
botany 581.4
cellular, comp. bot. 581.878
physiology 612.0142
[3] **English grammar** 425.1
[3] other lang. —51
glandular physiology 612.409
of kidneys " 612.465
leucocytes " 612.1129
milk " 612.6645
muscles " 612.7419
nervous
excitation physiol. 612.8225
stimulation " 612.815
optic nerve " 612.8431
retina " 612.84315
sweat " 612.7925
philology 415.1
zoology 591.4
Morrastel grape vitic. 634.8544
Morrill co., Neb hist. 978.295
Morris, William Eng. poet. 821.85
Morris
county, Kan history 978.158
NJ " 974.974
dance recreation 793.31
island, SC, battle, 1863
US Civil war 973.7351
plan banks fin. econ. 332.314-.315
Morrison co., Minn hist. 977.669
Morristown, NJ
Washington's headquarters
Amer. revolution 973.367
Morrow co., O history 977.1516
Ore " 979.567
Morse
code radio 621.38419214
telegraphy 621.382152
system, automatic
telegraphy 621.38241
Mortal sin doc. theology 233.21
Mortality
law of insur. business 368.3
of living organisms biol. 577.73
statis. demography 312.2
[1] **public health** 614.12
Mortality (cont.)
students' education 371.2913
tables demography 312.2
insurance 368.3
Mortar building industry 691.5
eng. materials 620.15
mounts ordnance 623.4323
Mortars
chemic apparatus 542.22
technology 666.9
neolithic archeology 571.27
ordnance 623.4214
Mortgage
banks & companies
fin. economics 332.311
chattel, companies
fin. economics 332.313
instruments fin. econ. 332.77
loans, real estate
fin. economics 332.72
Mortgages business fin. 658.148
engraving 768.8
insur. of bus. 368.81
private law 347.2
Morticians
chapels architecture 726.81
funeral customs 393.9
public health 614.6
Mortierellaceae botany 589.281
Mortification surgery 617.25
Mortmain land economics 333.35
private law 347.2
Morton
county, Kan history 978.1715
state park, Neb hist. 978.2273
Morton's Ford, Va., battle
1864 US Civil war 973.7362
Mortuaries architecture 726.88
Mortuary bldgs " 726.8
customs sociol. 393
designs eccles. 247.3
towers archi. 726.87
Morvan sheep (Bovidae)
domestic animals 636.386
Mosaic
floors archi. constr'n 721.67
law Old Testament 222.1
painting fine arts 751.48
windows archi. dec. 729.85
Mosaics
architectural decoration 729.7
ceramic fine arts 738.52
ecclesiology 247.4
glass fine arts 748.5
library buildings 022.347

Mosaics (cont.)
wood arts & crafts 745.51
interior dec. 747.33
Moscatello grape vitic. 634.849
Moschatel (Adoxaceae) bot. 583.513
Moscherosch, J M Ger. wit 837.51
Moscow
history 947.3
int'l communism 335.441
trade unionism 331.886
Moselle history 944.382
Mosenthal, S H Ger. drama 832.82
Moses, Assumption of
pseudepigrapha 229.913
Moses Lake, Wash. descr. 917.9732
Moshi history 967.87
Moslem archi. styles 723.3
Moslems Mohammedanism 297
Mosler grape, yellow
viticulture 634.85439
Mosque domes
arched constr'n 721.46
Mosques architecture 726.2
tomb archi. 726.82
Mosquito
boats naval science 359.32
shipbuilding 623.825
coast history 972.85
hawk (Odonata)
entomology 595.733
Range, Colo history 978.859
Mosquitoes
and contageous diseases
public health 614.43
destruction of
aircraft service 629.138612
(Nematocera)
agricultural pests 632.771
pathology 616.9681
Moss, house plants growing in
floriculture 635.965225
Mossaka history 967.27
Mossamedes " 967.35
Mossel Bay " 968.738
Mosses
flowering (Diapensiaceae)
botany 583.65
forest products 634.989582
long (Bromeliaceae) bot. 584.22
(Musci) floriculture 635.97536
landscape art 716.56
scale (Jungermanniales)
botany 588.31
sea- (Ceramiales) bot. 589.412
small (Andreaeaceae) " 588.22
true (Bryales) " 588 21
Mossi description 916.625
Mosstypes photography 777.5
Mossworts (Bryophyta) bot. 588
Most-favored-nation clause
tariff treaties 337.91
Mosul history 956.7
Motay and Maréchal collo-
type process photography 774.1
Motet sacred music 783.4
Moth-blight insects (Alcu-
rodidae) entomology 595.7526
Mother
Goose folklore 398.8
of God, *see* Madonna;
Mary, Virgin
Presidents (Va) hist. 975.5
tongue elem. education 372.61
Motherhood medicine 618
zootechny 636.0898
Mothers
age of, and birth rate 312.1
duties ethics 173.5
pensions for pub. relief 362.625
Moths (Heterocera)
agricultural pests 632.781
domestic pests 648.7
Motilev process photography 772.22
Motion
and gravitation
astronomic laws 521.12
time cosmology 115
astronomy, lunar 523.33
beginnings of biology 576.4
composition of statics 531.22
cosmology 116
curvilinear dynamics 531.3
in space solar system 523.24
laws of astronomy 521.11
of earth, apparent
astronomy 525.38
liquids hydraulics 532.5
sun, apparent astron. 523.73
ontology 111.62
perpetual mechanics 531.8
pictures, *see* Moving
pictures
plant ecology 581.5
physiology 581.18
pure physics 531.1
rectilinear dynamics 531.31
study indus. manage. 658.5423
office economy 651.453
Motions
of earth astronomy 525.3
of valve mech. eng. 621.84
stellar astronomy 523.83

Motivation
of students education 371.53
psychology of work 158.734
in other specific fields
[2] see subject —079
Motives psychol. of will 159.4
Motor
and sensory nerves, distinction between
physiology 612.811
apparatus anatomy 611.7
physiology 612.7
surgery 617.47
see also Locomotion
automatisms divination 133.323
cars electric traction 621.3343
clocks, pneumatic mfg 681.1151
control tests psychol. 151.2232
converters elec. eng. 621.31357
cultivator farming 631.316
engines, *see* Motors
functions psychology 158
mechanisms, fine mfg 681.1
nerve centrifugal conduction psychometry 152.83553
organs
anatomy, comparative 591.47
biologic morphology 574.473
organography, biologic 574.773
botanic 581.773
zoologic 591.77
vegetable histology 581.8473
morphology 581.473
panels elec. stations 621.31723
terminations of nerves
physiology 612.8152
psychophysiology 131.2152
traffic and street layout
city planning 711.721
transport
business 656
logging 634.98253
commerce 388.3
military equipment 355.83
trucks agriculture 631.3736
type personality 137.45
vehicle
accessories 629.27
factories archi. 725.452
materials engineering 629.232
production " 629.234
vehicles
adjustments & repair 629.2885
body types of 629.261
Motor (cont.)
vehicles (cont.)
care of 629.287–.288
engineering 629.2
housing of 629.285
repair of 629.287–.288
Motorboats shipbuilding 623.823
sports 797.125
Motorcycle
cavalry military sci. 357.5
factories architecture 725.4527
Motorcycles engineering 629.2275
Motordromes architecture 725.863
Motordynamos elec. eng. 621.31326
Motoring recreation 796.7
Motorized
artillery military sci. 358.1
maneuvers " training 355.542
Motors
aircraft construction 629.13435
animal mech. eng. 621.46
direct current " 621.31324
electric traction 621.3344
induction elec. eng. 621.31364
motor vehicles 629.25
pneumatic engineering 621.541
repulsion elec. " 621.31366
series " " 621.31365
solar mech. " 621.47
speed- elec. " 621.313245–248
synchronous " " 621.31344
Motricity, specific
psychology of movement 158.2324
Mottled carpet mfg 677.643
Mottoes univ. & col. 378.27
Motus circularis
physiol. of invertebrates 612.8291
nerve centers 612.82261
Motylev process photography 772.22
Mougeotiaceae botany 589.612
Mould, etc., *see* Mold, etc.
Moultrie
county, Ill history 977.3675
Fort, battle Amer. revol. 973.3328
Mound layering
plant culture 631.5343
Mounds archeology 571.91
Mount—
for individual mountains
see distinguishing name
Mountain
and valley div., Ala hist. 976.15
artillery ballistics 623.551
mil. science 358.1
ordnance 623.413

Mountain (cont.)
cities civic arts 711.421
cottages architecture 728.74
grape
vitis monticola agric. 634.8437
rupestris " 634.8436
verlandieri " 634.8441
hospices architecture 725.59
mounts & carriages ordn. 623.4312
pastures zootechny 636.08423
plants
floriculture 635.9526
nectariferous apic. 638.1328
railways commerce 385.62
engineering 625.3
regions, farming in 631.0914
veget. ecology 581.524444
reserves nat. landscape 719.343
resorts city planning 711.455
hygiene 613.12
sickness physiology 612.27511
states, US history 978
see note under Virginia
worship comp. religion 291.2121
Mountain-ash
(Myrtaceae) botany 583.42
(Oleaceae) " 583.71
(Pomaceae) " 583.37
Mountaineering hygiene 613.72
sports 796.52
Mountains
attraction of geodesy 526.14
landscape ground forms 713.5
lunar astronomy 523.34
measurements of
hypsometry 551.53
physiography 551.43
volcanic seismology 551.21
Mountebanks advertizing 659.14
recreation 791.1
Mounted
infantry mil. science 356.11
maneuvers " training 355.542
troops " science 357
Mounting
biologic collecting 579.5
blocks landscape art 717.67
cinematic films 778.58
materials phot. prints 771.46
museum material 069.4
objects microscopy 578.6
photographs phot. 770.2844
telescopic astronomy 522.25
equatorial 522.26
Mountings mot. veh. gears 629.24443
Mounts
landscape art 717.72
mechanism of ordnance 623.435
ordnance 623.43
palmistry 133.642
reaction of ballistics 623.57
Mourning burial customs 393.9
Mourvedre grape vitic. 634.8546
Mouse (Rodentia) mammal. 599.32
Mouse-deer (Tragulidae)
mammalogy 599.73556
Moussy grape viticulture 634.8544
Mouth
anatomy 611.31
and speech physiology 612.7891
muscles anatomy 611.7326
pathology 616.31
physiology 612.31
surgery 617.52
Mouthorgan wind instr. 788.9
Movables private law 347.3
Movement
and sensibility physiol. 612.81114
animal physiology 591.18
biologic adaptation of
physiology 612.769
biology 574.18
cosmology 116
functional laws of
psychology 158.23
inhibition of
physiology of brain 612.82134
perception psychology 152.754
physiology of " 158.2
plant ecology 581.5
physiology 581.18
psychology 158
sensations physiology 612.885
psychology 152.673522
Movements
associated
physiology of brain 612.82135
automatic psychology 158.4
clockwork 681.1121
consciously controlled
psychology 158.5
innate psychology 158.42
involuntary " 158.4
music 781.5081
simplification of
psychology 158.43342
types of psychology 158.3
voluntary " 158.5

Moving
picture
apparatus manufactures 681.134
cartoons drawing 741.58
films, sensitive
phot. chemistry 771.5324
printing mach. phot. 771.42
studio furnishings 771.295
studios photography 771.125
theaters architecture 725.824
pictures
advertizing devices 659.138
and crime sociology 364.254
educational methods 371.33523
ethics 175.1
in prisons sociology 365.665
photography 778.5
recreation 791.4
Sunday schools 268.6353
X-ray photography 778.33
see also Photoplays
sidewalks mech. eng. 621.8675
stairs " " 621.8676
vans, *see* Vans
Mowatt, Mrs A C (Ogden)
Ritchie Amer. drama 812.31
Mower co., Minn history 977.617
Mowers agriculture 631.352
Mowing " 631.552
Moyer grape viticulture 634.84709
Mozabi language 493.3
Mozambique history 967.9
Mqanduli " 968.658
Mrewa
Mashonaland history 968.9374
northeast Rhodesia " 968.961
Mtibi history 968.931
Mtoko " 968.9377
Mtunzini " 968.32
Mubende " 967.611
Mucedinaceae botany 589.2411
Mucilage
bottles office fittings 651.4652
chemic technology 668.4
office supplies 651.4662
Muck fertilizers 631.871
forest products 634.98984
Muckleshoot Indian reservation, Wash history 979.777
Mucorales botany 589.28
Mucous
formation in stomach
physiology 612.3227
Mucous (cont.)
membranes
absorption by physiol. 612.387
histology 611.01873
physiology 612.38
secretion botany 581.1412
zoology 591.141
tissue histology 611.01825
Mucuna utilis (Fabaceae)
field crops 633.363
Mud constr'n masonry 693.22
Island Amer. revol. 973.3337
Mudie's circulating library 027.342
Mud-plantain (Pontederiaceae) botany 584.34
Mudspelli Ger. poetry 831.14
Müller, Frederik Paludan-Danish poetry 839.81167
Müller color theory
physiology of vision 612.8433016473
psychology " " 152.133016473
Müllerian duct
female anatomy 611.669
male " 611.633
Müller-Lyer illusion
physiology 612.84374153
psychology 152.1374153
Münch-Bellinghausen, E F J
German drama 832.75
Münster sheep (Bovidae)
domestic animals 636.3335
Mufflers dom. economy 646.48
mot. veh. engine 629.25283
Muffles, elec. prac. chem. 542.47
Muffs costume 391.4
Muggletonians sect. hist. 289.9
Muhammadan, etc., *see* Mohammedan, etc.
Muhlenberg co., Ky hist. 976.983
Mukden, Manchuria hist. 951.824
Mulberry
(Moraceae) fruitculture 634.38
white (Moraceae)
sericulture 638.2
Mulching agriculture 631.79
Muldraughs Hill, Ky hist. 976.971
Mule (Equidae) dom. anim. 636.183
Mulefoot swine (Suidae)
domestic animals 636.4849
Mules textile equipment 677.02852
see also special fibers
Mullen (Scrophulariaceae)
botany 583.81

Mullions archi. constr'n 721.862
Mulondo history 967.37
Multangularossa anatomy 611.71775–76
Multani-Lahnda language 491.41
Multicentered
arches archi. constr'n 721.422–.423
domes " " 721.46–.47
vaults " " 721.453
Multicycles engineering 629.2274
Multifidus anatomy 611.73165
Multifoiled arches, Moorish
architectural constr'n 721.427
Multigraphing
and duplicating
library economy 025.129
writing methods 652
Multiovulatae
aquaticae botany 583.92
terrestres " 583.922
Multiple
banking
financial economics 332.16
standards money 332.56
streets city planning 711.723
system radio 621.384157
Multiplex
system radio 621.3841571
telegraphy 621.38235
telegraphs business 654.2
Multiplying
cameras photography 771.3191
devices phot. lenses 771.352
Multitude ontology 111.821
Multivibrators
electron tubes in radio 621.3841326
radio measurements 621.3841715
Multnomah co., Ore hist. 979.549
Mumble-the-peg games 796.23
Mummies burial customs 393.3
Mumps pathology 616.31
public health 614.544
Muncie, Ind history 977.265
Munda languages 495.95
Mundane astrology
occultism 133.5
Munetaka, Prince
Japanese history 952.02124
Mungo wool industry 677.363
Munich history 943.36
Municipal
art fine arts 711
bankruptcy pub. admin. 352.1
banks fin. economics 332.12
borough English gov't 352.04202
buildings architecture 725.137
city planning 711.661
Municipal (cont.)
civil service loc. gov't 352.005
corporations priv. law 347.1
court jurisprudence 347.99
debt public finance 336.343
depots architecture 725.195
elections local gov't 352.004
employes economics 331.795
engineering loc. gov't 352.5
finance
and city planning
civic arts 711.15
public administration 352.1
forest policy agric. 634.92525
gov't, *see* Local gov't
law administration 350
local 352
jurisprudence 340
markets architecture 725.26
ownership of land
polit. economy 333.126
reservations nat. lands. 719.32
savings banks fin. econ. 332.21
works areas city zoning 711.551
see also City, Civic, Urban
Municipalities loc. gov't 352
Muninto islands history 952.85
Munitions of war, *see*
Ammunition
Munshi history 966.97
Munson, J E
shorthand, English 653.42
system 653.726
Munson, fern, grape
viticulture 634.845509
Munsoniana vitis agric. 634.8486
Munster history 941.9
Muntaner, Ramón
Catalan literature 849.9813
Muntins window constr'n 721.848
Murakami Jap. history 952.01624
Mural
circles astron. instr. 522.32
dec. archi. design 729.31
painting archi. dec. 729.492
towers architecture 725.975
Murals painting 751.73
Muratori, L A It. essays 854.56
Muratto, Onuphrio, *pseud.*
English letters 826.61
Murcia history 946.7
Murder criminal law 343
statis. demog. 312.2
Muretsu Jap. history 952.0135
Murex (Prosobranchia)
agriculture 638.38

Murfreesboro, Tenn, battle
1862 US Civil war 973.7337
Muri history 966.98
Murmurs, muscular physiol. 612.7418
Murner, Thomas Ger. wit 837.41
Muromachi period
Japanese history 952.023
Muroran history 952.43
Murphree's Valley, Ala hist. 976.172
Murrain, bovine vet. med. 619.2
Murray
county, Ga history 975.831
Minn " 977.627
Okla " 976.657
system telegraphy 621.38255
Murraysburg history 968.7435
Murre (Pygopodes)
ornithology 598.44
Murzuk history 961.3
Musaceae botany 584.214
Musaceous fruits agric. 634.771
Musales botany 584.21
Musashi history 952.137
Muscadelle grape vitic. 634.8544
Muscadet grape vitic. 634.8544
Muscadine
grape
vitis labrusca vitic. 634.847
rotundifolia
agriculture 634.8481
Muscadiniae (Vitaceae)
agriculture 634.848
Muscat history 953.5
Muscat
d'Alexandria grape
viticulture 634.8546
grapes
Vitis vinifera, Amer.
agriculture 634.849
Muscatel
grape viticulture 634.849
Muscateller
grape " 634.8543
Muscatine co., Ia hist. 977.768
Musci botany 588.2
Muscineae " 588
Muscle
elasticity physiology 612.7414
expansibility " 612.7412
fiber contraction " 612.74112
Shoals, Ala history 976.1991
wave physiology 612.7413
Muscles
and nerves, electric
phenomena of physiol. 612.813
Muscles (cont.)
effect of nerves on
physiology 612.817
glycogen of physiol. 612.35218
histology 611.0186
latent period of
physiology 612.7417
nutrition of physiol. 612.7465
of tympanum anatomy 611.857
pathology 616.74
physiology 612.74
pathologic 612.746
sensations of
physiology 612.885
psychology 152.67353
smooth physiology 612.73
stimulation of " 612.74162
Muscogee co., Ga hist. 975.847
Muscovy duck (Anseres)
agriculture 636.59783
Muscular
atrophies
see Atrophies, muscular
attraction and adaptation
psychol. of attention 152.72315
chemic composition
physiology 612.7441
chromisms psychology 152.77126
contraction
chemic effects of
physiology 612.7442
effect on organism
physiology 612.745
histology 611.01864
physiology 612.741
voluntary
physiol. of nerves 612.8172
degeneration physiology 612.7465
exercise hygiene 613.72
irritability physiol. 612.7416
movement
and temperature
physiology 612.532
releasing psychometry 152.8356
phonisms psychology 152.7726
regeneration physiology 612.7465
rigor " 612.7461
sense
physiology 612.885
of brain 612.82558
psychology 152.6735
sensibility psychology 152.671
sounds physiology 612.7418
synesthesia psychology 152.776

Muscular (cont.)
system anatomy 611.73
art anatomy 743.47
physiology 612.7
telepathy psychology 133.82226
tension physiology 612.7414
work " 612.744211
Musculi oculi anatomy 611.8461
Musculo-
cutaneous
nerve
cervical anatomy 611.8338
lumbosacral " 611.83584
plate embryology 611.01364
spiral nerve anatomy 611.8337
Museum
acquisitions 069.51–.52
administration 069.6
buildings 069.2
accessories 069.22
administration of 069.66
plans, design, etc. 069.22
collecting, preparing, etc. 069.4
construction 069.23
donor list 069.52
economy 069
education, principles of 069.107
equipment 069.3
exchange & sale 069.14
records 069.52
exhibits
agricultural education 630.74
installations of 069.53
expeditions & field work 069.44
fatigue 069.53
effect on ment. health
psychology 131.336
psychology 158.7
finances 069.64
fittings, fixtures, etc. 069.29
furniture
fixtures & fittings 069.33
gardens landscape art 712.56
grounds & courts
landscape art 712.58
groups 069.43
instruction 069.15
lectures & talks 069.15
lending service 069.13–.14
library 069.58
loan records 069.52
location, site, etc. 069.21
Museum (cont.)
material
library acquisition 025.299
administration 025.179
preservation 025.8
protection of 069.44
special 069.54
models, construction of 069.42
objectives & scope 069.011
office methods 069.65
organization 069.61
personnel 069.63
publications
and publishing 069.7
publicity 069.18
purchases & sales 069.51
relations with
libraries lib. econ. 021.38069
other institutions 069.68
research 069.8
rooms in
library buildings 022.655
other institutions 069.24
rules & regulations 069.62
service constructions 069.29
specimens
arrangement of 069.5
biologic collecting 579.7
staff 069.63
supplies 069.34
work Sunday schools 268.687
training for 069.07
Museums 069
administrative regula. 351.853
and music 069.16
architecture 727.6
art fine arts 708
as recreation f. arts 791
city planning 711.666
control & support of 069.012
cooperation between 069.68
founding of 069.61
in libraries 021.46
industrial useful arts 606
private 069.017
art 708.0017
public 069.013
art 708.0013
school buildings 371.622
equipment 371.65
Sunday
opening theology 263.7
schools 268.233

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Museums (cont.)
tariff exemptions 337.82
in other specific fields
[2] see subject —074
Mushrooms
(Agaricales) garden crops 635.8
domestic economy 641.358
Music
analysis of fine arts 780.072
[1] **ancient** 781.8
and museums 069.16
musicians in Russia 780.947
Susiana 780.9359
US 780.973
etc.
see also Musicians
public fine arts 780.07
appreciation " " 780.1
audience " " 780.073
bibliographies 016.78
bibliography fine arts 781.97
boxes " " 789.8
manufactures 681.822
competitions recreation 791.2
copyright business 655.62
courts landscape art 717.686
critics fine arts 780.072
department journalism 070.4478
descriptive orchestral 785
education f. arts 780.7
fine arts 780
forms, nat'l, Hebrew 781.733
Scottish 781.741
Ukrainian 781.7477
etc.
gatherings in Austria 780.79436
US 780.7973
Wales 780.79429
etc.
gipsy 781.72
halls architecture 725.81
theater 792.7
in curriculum educ. 375.78
prisons sociology 365.665
instrumental 781.508
public worship 264.2
interpreters fine arts 780.0712
library acquisition 025.298
administration 025.178
preservation 025.8
literature fine arts 781.96
manuscripts 781.969
military fine arts 785.13
oriental 781.75
patronage fine arts 780.074–.075
Music (cont.)
primitive fine arts 781.71
profession " " 780.071
racial " " 781.7
recording & reproducing instruments mfg 681.84
religious ecclesiology 246.7–.8
fine arts 783
public worship 264.2
room furnishing
domestic economy 645.69
sale of 781.983
savage 781.71
shorthand 653.19
fine arts 781.24
Sunday schools 268.73
technic 781
theory of 781
therapeutics 615.837
value of fine arts 780.13
vocal 784
psychology 158.83
public worship 264.2
technic 784.9
writers on 780.072
Musical
clocks mech. trades 681.1134
comedy fine arts 782.8
theater 792.6
dynamics compos. theory 781.62
expression fine arts 780.1
vocal 784.9
form 781.5
glasses 789.9
instruments
acoustics 534.85
automatic mfg 681.82
cords for " 677.74
fine arts 781.91
manufactures 681.8
mechanical fine arts 789.7–.9
military equipment 355.86
school " 371.632
psychology fine arts 781.1
sensations physiology 612.85874
psychology 152.2874
sound quality physiol. 612.8587424
sounds acoustics 534.3
talent tests psychol. 151.223878
Musicals, *see* Concerts
Musicians 780.071
biography 927.8
music 780.92
see also Music and musicians
Musigny grape viticulture 634.8544

Musk
duck (Anseres) agric. 636.59783
oxen (Bovidae) dom. anim. 636.2935
Muskegon co., Mich hist. 977.457
Musketoons ordnance 623.442
Muskingum co., O history 977.191
Muskmelon (Cucurbitaceae)
garden crops 635.611
Muskogee co., Okla hist. 976.682
Muskoka district " 971.316
Muslin manufactures 677.02864
see also special fibers
Musoideae (Musaceae) bot. 584.214
Muspilli German poetry 831.14
Musquitos, *see* Mosquitoes
Mussel Shoals, Ala hist. 976.1991
Mussels (Mollusca) fishery 639.4
Musset, Alfred de
French drama 842.76
poetry 841.77
Mussolini, Benito It. hist. 945.09
Mustaches toilet 391.5
Mustang
grape
Florida viticulture 634.8486
viticulture 634.8467
pony (Equidae) dom. anim. 636.168
Mustard (Brassicaceae)
emetics 615.731
greens garden crops 635.44
seeds field " 633.844
Mustelidae mammalogy 599.74447
Muster rolls mil. service 355.61
Mutation
animal variation 591.159
plant breeding 631.523
theory biology 575.0165
vegetable variation 581.159
Mute childstudy 136.7614
education of 371.912
instit. for sociol. 362.4
libraries for 027.6624
YMCA work with 267.369
Muteness psychology 158.83
Mutilations
coins 332.419
of books, etc. lib. econ. 024.82
war customs 399
Mutiny maritime law 347.7
military science 355.133
Mutisiaceae botany 583.5532
Mutographs photography 778.532
Mutoscopes " 778.54
Mutsu history 952.112
Mutsuhito Japanese " 952.031
Mutton Mts, Ore " 979.562
sheep (Bovidae)
domestic animals 636.323
Mutual
aid
funds old age relief 362.62
societies, cooperative
political economy 334.7
welfare 361
benefit societies
admin. regulation 351.825
library ass'ns 020.626
staff ass'ns 023.59
insurance polit. econ. 334.3
savings banks fin. " 332.24
system education 371.41
Mutualism botany 581.55722
Muzzleloading
guns ordnance 623.4221
rifles " 623.4421
Mwanza history 967.88
Mweru, Lake " 968.961
Mya arenaria (Lamellibranchiata) fishery 639.4
Mycelic fungi imperfecti
botany 589.244
Mycenae history, ancient 938.8
Mycenaean archi. styles 722.61
Mycetozoa botany 589.29
Mycobacteriaceae " 589.953
Mycocecidia pathol. " 581.272
Mycology " 589.2
Mycoporaceae " 589.16
Mycorrhiza " 581.55724
forest ecology 634.9472774
Mycosphaerellaceae bot. 589.2351
Mydriatics physiology 612.8424
psychology 152.124
therapeutics 615.784
Myel anatomy 611.82
physiology 612.83
Myelencephalon anatomy 611.818
Myelin histology 611.018834
Myeloplaques histology 611.01841
Myers mental measure
psychology 151.22233
Mylitta (Bombycina)
silk industry 677.423
Mylohyoideus anatomy 611.7346
Myocardium " 611.127
Myodynamics physiology 612.741
Myography " 612.7411

Myology anatomy 611.73
Myopia, *see* Nearsightedness
Myoporaceae botany 583.871
Myosho, Empress Jap. hist. 952.02512
Myosin
physiology of nutrition 612.398132
Myotonometry physiology 612.7414
Myrana universal lang. 408.9
Myriangiaceae botany 589.238
Myricales " 583.974
Myrionemataceae " 589.457
Myriopoda zoology 595.6
Myriotrichiaceae botany 589.457
Myristicaceae " 583.1146
Myrmecophilism " 581.55725
Myrobalan
(Combretaceae) " 583.414
Myrothamnaceae " 583.3942
Myrrh (Burseraceae)
field crops 633.816
Myrsinaceae botany 583.677
Myrtaceae " 583.42
Myrtaceous fruits agric. 634.42
Myrtales botany 583.4
Myrtineae " 583.41
Myrtle, wax-
(Myricales) botany 583.974
Mysia history, ancient 939.21
Mysore " 954.8
Mysteries
liturgic music 783 28
occultism 133
revealed soteriology 234.25
in other specific fields
[2] see subject —0885
Mysterious
clocks & watches mfg 681.1171
Mystery
boats European war 940.4516
plays, *see* Drama
Mystic
paintings fine arts 753
philosophers 189.5
shriners secret soc. 366.1
Mysticete mammalogy 599.51
Mysticism
comparative religion 291.14
heresies 273.2
philosophy 149.3
[1] **Mystics sectarian hist.** 289.8
Mystropetaloideae
(Balanophorineae) bot. 583.947
Mythologic figures
carved architecture 729.524
painted " 729.424
Mythology
classic comp. relig. 292
comparative 290
Egyptian comp. relig. 299.31
in art 704.947
painting f. arts 753
Teutonic & northern 293
Myths comparative relig. 291.13
Mytilene history 949.92
ancient 939.12
Mytilus edulis (Lamellibranchiata) fishery 639.4
Myuriaceae botany 588.21532
Myurococcaceae " 589.47532
Myxedema pathology 616.997
psychology 132.2442
Myxobacteriales botany 589.953
Myxogasteres " 589.293
Myxomycetes " 589.29
Myxophyceae " 589.8
Myxophyta " 589.29
Myxothallophyta " 589.29
Myzodendraceae " 583.944
Myzostomida zoology 595.178

N

N rays, action of mesology 612.014483
Nabateans history, ancient 939.46
Naevius, Cnaeus
Latin drama 872.2
Nagano history 952.163
Nagasaki " 952.21
Nagato " 952.1985
Nagging ethics 179.8
Nagoya history 952.1687
Nahuatl archi. styles 722.911
Nahum Bible 224.94
Naiadaceae botany 584.741
Naiadales " 584.72
Nai-kai history 952.199
Nails anatomy 611.786
ornamental f. arts 739.48
physiology 612.799
strength of eng. 620.11287
toilet 646.7
Nairn history 941.22
Naivasha province " 967.63
Nakahara process phot. 772.23

Nakamikado Jap. hist. 952.02524
Nakedneck fowls (Gallinae)
agriculture 636.5882
Nakedwood
(Myrtaceae) botany 583.42
(Rhamnaceae) " 583.2791
Nama-land history 968.729
Namaqualand
Great " **968.81**
Little " 968.729
Nambu " 952.113
Nameplates
architectural constr'n 721.894
Names
of persons & places
genealogy 929.4
scientific, of species, etc.
in specific fields
[2] see subject —01432
technical
in specific fields
[2] see subject —01433
trade, *see* Trade names
Nampa, Ida history 979.6231
Namur European war 940.4212
Nance co., Neb history 978.2425
Nanchang, China " 951.2225
Nancheng, " " 951.43
Nanchihli, " " **951.22**
Nancy, France " 944.382
Eur. w. 940.4218
Nandi history 967.62
Nandiidae mammalogy 599.74423
Nangasaki history 952.21
Naniwa " 952.1888
Nankaido " **952.3**
Nanking, China " 951.135
Nanning, " " 951.28
Nansei islands " 952.81
Nansemond co., Va " 975.553
Nantahala nat'l forest
North Carolina description 917.5698
Nantes
edict, 1598
church history 272.4
French church history 274.4
history 944.031
Huguenots 284.544
history 944.14
Nanto history 952.985
Nantucket co., Mass " 974.497
Napa co., Calif. " 979.419
Naphtha chemic technology 665.5
Naphthalene organic chem. 547.28
Napierville co., Que hist. 971.435
Napkins domestic economy 642.7
eating customs 394.1
Naples, city history 945.73
kingdom of " **945.7–.8**
Napoleon
1 Fr. hist., 1799–1804 944.046
1804–15 944.05
3 " " 944.07
Napoleonic
architecture 724.24405
code French law 349.4402
furniture fine arts 749.244
period European hist. 940.27
wars German " 943.06
Russian " 947.07
Scan. " 948.06
Napoleonoideae
(Lecythidaceae) bot. 583.423
Napoli history 945.73
Napped fabrics mfg 677.62
Nara history 952.186
period Jap. " 952.015
Narcissism medicine 616.8974
psychology 132.1974
Narcissus
(Amaryllidaceae) bot. 584.25
Narcolepsy medicine 616.853
psychology 132.153
Narcotic poisons toxicology 615.96
Narcotics
and nervous syst. hyg. 613.8
therapeutics 615.78
Narcotism ethics 178.8
psychology 132.73
Nardi, Jacopo It. essays 854.32
Narew battles Eur. war 940.4252
Narghiles manufactures 679
Nariyoshi, Prince
Japanese history 952.02129
Narocz lake European war 940.4277
Narragansett turkey
(Gallinae) agriculture 636.5923
Narratives, personal
see Personal narratives
Narrow-gage railways eng. 625.1
Narthex church archi. 726.591
Nasal
bone anatomy 611.7158
cavity and speech
physiology 612.7891
fossa anatomy 611.7147
Nasby, P V, *pseud.*
American wit 817.42

Nascent periods
childstudy 136.735
Naseberry (Sapotaceae)
fruitculture 634.431
Nash co., NC history 975.647
Nashville, Tenn
battle, 1864
US Civil war 973.7379
history 976.8551
Nasmith societies relig. 267.232
Nasolacrimal duct anat. 611.8469
Nasopharynx, *see* Epipharynx
Nassarawa history 966.97
Nassau co., Fla " 975.911
NY " 974.7245
fowls (Gallinae)
agriculture 636.538
Nastic movements
in plants botany 581.1833
Nasturtium
officinale (Brassicaceae)
garden crops 635.561
(Tropaeolaceae) bot. 583.225
Natal history 968.4
Natality statis. demog. 312.1
Natatores ornithology 598.4
Natatoriums architecture 725.74
Natchez
city, Miss. history 976.2261
district, Miss. " 976.22
Natchitoches
parish, La. " 976.365
Nates anat., regional 611.9812
muscles of anat. 611.7381
Nation political science 320.12
National
academies & learned soc. 060
aid to education 379.12
[1] **and state univ. & col.** 378
assembly
ecclesiastic polity 262.41
French hist., 1789–92 944.041
1871 944.08
association of
naval veterans 369.157
veterans of the
Mexican war 369.146
associations, soc., etc.
in specific fields
[1] see subject —0623–9
bank
notes financial econ. 332.53
US " " 332.110973
banks " " 332.11
National (cont.)
cemeteries lands. art 718.8
churches vs organic unity
religion 261.8
costumes sociology 391
debt public finance 336.343
see also Finance, public
defense military science 355.45
education association
Library dept 021.306273
emblems, flags, etc.
political science 320.18
finance, *see* Finance, pub.
forest policy agric. 634.92523
growth & decline
political science 320.159
guard military science 355.351
highways city planning 711.71
income & wealth
political economy 339.3
intelligence tests
psychology 151.22232
language elem. educ. 372.61
[1] **libraries** 027.5
monuments nat. lands. 719.32
ownership of land
political economy 333.123
parks natural lands. 719.32
planning civic arts 711.2
politics
see Political parties
research tests psychol. 151.22232
resources
[1] **conservation of econ.** 339.49
political economy 339
savings banks fin. econ. 332.21
school supervision educ. 379.151
socialist party
German politics 329.943
society of colonial
dames of America 369.123
univ. & col. pub. educ. 379.16
workshops economics 331.61
youth admin. sociol. 362.706173
Nationalist socialism 335.64
Nationalities
[1] **and state polit. sci.** 323.1
demography 312.9
[1] **special, education of** 371.98
suffrage requisites 324.15
Nationality
immigration limitations 325.154
of criminals sociology 364.335

Nationalization
  industrial labor econ. 331.86
  of land polit. " 333.14
    monetary metals
      financial economics 332.418
Nations
  law of int'l law 341
  League of " " 341.1
  origin of history 901
[1] **psychology of 136.49**
  rise of Eur. hist. 940.11
Native
  American party
    US politics 329.5
  government colonization 325.315
  races " 325.315
    see also Race problems, & names of aboriginal races, e.g. Indians
  troops mil. organiza. 355.352
  vegetation lands. art 715.17367
Nativism philosophy 149.7
Nativities
  astrology, applied 133.562
Nativity Christology 232.921
Natural
  astrology anc. astron. 520.1
  bay ports commerce 387.122
  boundaries polit. sci. 320.1281
  Bridge state park, Ky 917.69585
  children, care of sociol. 362.72
  gas, *see* Gas, natural
  history biology 574
    see also Natural science
  landscapes fine arts 719
  law sociology 340.1
  monument reserves
    landscape art 719.352
  philosophy physics 530
  resources
    city planning 711.14
    conservation of
      land economics 333.72
    forestry 634.927
    political economy 333
  science
    Biblical 220.85
    collectors' manuals 579
    museums 507.4
  sciences 500
  selection biology 575.423
    physiology 612.609
Naturalism
  painting schools 759.912
  philosophy 146
  psychology 130.162343
Naturalistic sculpture 731.52
Naturalists biography 925
Naturalization polit. sci. 323.62
Naturalized vegetation
  landscape art 715.17367
Nature
  days
    school celebrations 371.365
  drawing from fine arts 741.42
  general, of subject
[2] see subject —011
  in art 704.943
  law of metaphysics 113
    science 501
  myth comp. religion 291.212
  printing photography 773.7
    typography 655.37
  rule of polit. econ. 330.152
  state of doc. theol. 233.12
  study
    biology 574.07
    elementary education 372.35
    science 507
    special countries
[1] **scientific travel 508**
  worship comp. relig. 291.212
Naturism comp. religion 291.212
Naughts and crosses games 793.75
Nautic
  almanacs astronomy 528
  astronomy navigation 527
  surveying hydrography 526.99
Nautilidae zoology 594.52
Naval
  and mil. ord. of the
    Span. Amer. war369.183
    service, united 355
  architecture eng. 623.8
  artillery
    ballistics 623.553
    naval science 359.981
    ordnance 623.418
  auxiliaries nav. sci. 359.35
  eng. services " " 359.982
  hygiene medicine 613.68
[1] **men biography 923.5**
  mounts ordnance 623.434
  order of the US 369.117
  ports city planning 711.414
  radio service eng. 621.3841953
  reservations lands. art 719.37
  science 359
  stations US gov't 353.7
  stores forest products 634.9862
  surgery medicine 617.99

Naval (cont.)
surveying hydrography 526.99
target practise
ballistics 623.554
veterans
National ass'n of 369.157
Navarre, Fr. history 944.79
Sp. " 946.5
Nave church architecture 726.592
Navew (Brassicaceae)
garden crops 635.127
Naviculales botany 589.623
Navicular, carpal anat. 611.71771
tarsal " 611.71876
Naviculoideae botany 589.6234
Navies military science 359
Navigation
acts Amer. revolution 973.3112
aeronautics 629.1325
business 656
equipment aircraft 629.1351
inland commerce 386.2
engineering 626–627
laws jurisprudence 347.7
lights aircraft 629.13518
nautic astronomy 527
oceanic commerce 387
outfit shipbuilding 623.86
public health 614.864
radio in engineering 621.3841913
rights land economics 333.91
signals communication 654.9
in acoustics 534.83
Navigator islands history 996.1
[1] **Navigators biography 923.9**
Navy cookery dom. econ. 641.573
[1] **foreign gov't 354**
libraries 027.653
pensions civ. service 351.5
registers
see Registers, navy
Sunday school
religious assn's 268.437
US gov't 353.7
Nayarit history 972.3
Nazareth
European war 940.4382
islands history 969.84
life in Christology 232.927
Transvaal history 968.25
Nazarite school painting 759.307
Nazi German politics 329.943
Naziism political econ. 335.64
Ndanga history 968.9323
Ndwandwe " 968.31
Neal, J C Amer. wit 817.31
John " fict. 813.26
Neap tides astronomy 525.63
Neapolitan
sheep (Bovidae) dom. anim. 636.35
swine (Suidae) " " 636.45
Nearsightedness
ophthalmology 617.75
physiology 612.8451
psychology 152.151
school hygiene 371.72
Neatness school hygiene 371.712
Nebbiolo grape vitic. 634.8545
Nebo, Mt, Ark descr. 917.6738
Nebraska
admission US history 973.81
history 978.2
see note under Virginia
plain history 978.23
Nebular hypothesis
astronomy 523.12
Nebulas
astronomy, cometary 523.6
stellar 523.85
Necessities poor relief 362.54
taxation 336.2713
Necessity metaphysics 123
Neck anatomy, regional 611.93
muscles anatomy 611.733
surgery 617.53
veins anatomy 611.145
Neckerineae botany 588.21531
Necklaces fine arts 739.27
Necks geology 551.88
Neckties domestic economy 646.482
Necrolatry comp. relig. 291.2135
Necrology biography 920
[1] **univ. & col. 378**
Necromancy sorcery 133.4
Necroscopy pathology 616.0759
Necrosis bone pathology 616.71
Nectar
apiculture 638.1321
color of apiculture 638.1323
gathering " 638.12153
secretion botany 581.1443
Nectaries veget. morphol. 581.446
Nectariferous
plants
apiculture 638.132–.133
of France apiculture 638.132944
Galatia " 638.13293932
Utah " 638.1329792
etc.

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Nectarine (Rosaceae)
fruitculture 634.26
Nectrioideaceae botany 589.242
Needle
magnetic physics 538.7
system telegraphy 621.38224
tapestry manufactures 677.64
telegraphs business 654.3
Needlework
domestic economy 646.2
ecclesiology religion 247
fancywork 746.4
Negative
boxes photography 771.46
plate finishing
photomechanics 774.4
timers phot. printing 771.41
Negatives
deterioration & care of
photography 770.285
development of phot. 770.2835
finishing of " 770.2838
treatment of " 770.283
Neglected children
care of sociology 362.74
Negligée domestic econ. 646.474
Negrara grape vitic. 634.8545
[4] Negrito language 499.11
Negro
dialects
African languages 496.4
literature
collections 808.898964
history of 809.8964
minstrelsy music 784.756
mortality pub. health 614.144
question in US
political science 325.26
race ethnology 572.96
psychology of 136.496
servants dom. econ. 647.24
slavery polit. sci. 326
suffrage
amendment, 1870
US constit. law 342.73
history 973.82
political science 324.15
troops European war 940.403
Negroes
education of 371.974
libraries for 027.636
YMCA work with 267.365
Nehemiah Bible 222.8
Neighborhood
centers
recreation grounds 712.546
conditions and crime
sociology 364.253
guilds social clubs 367
influence
crime prevention 364.44
planning city zoning 711.58
Nejd history 953.8
Nelli, Pietro It. wit 857.41
Nelson co., Ky history 976.9495
Va " 975.549
Nelsonioideae
(Acanthaceae) botany 583.86
Nelumbaceae " 583.118
Nelumbonoideae " 583.118
Nemaha co., Kan history 978.133
Neb " 978.2278
Nemalionales botany 589.416
Nemastomaceae " 589.415
Nemataceae " 588.21522
Nematocera entomology 595.771
Nematoda pathology 616.965
zoology 595.13
Nemertea " 595.124
Nemuro history 952.475
Nenci, Girolamo, *pseud.*
Italian drama 852.54
Neo —
for topics not listed below see distinctive part
Neocene period geology 551.782
Neodimium chemistry 546.643
[1] Néo-Grec architecture 724.6
Neolithic
age archeology 571.2
man, psychology of 136.412
Neology natural theology 211
Neomonoscopes photography 771.46
Neon chemistry 546.292
signs advertizing 659.136
tubes
electric lighting 621.327
Neoplasms pathology 616.992
physiology 612.6054
Neosho co., Kan history 978.195
Neostyle writing mediums 652
Nepal
goat (Bovidae) dom. anim. 636.39854
history 954.2
Nepenthaceae botany 583.9221
Nephelium Litchi
(Sapindaceae) nucic. 634.571
Nephroselmidaceae bot. 589.97444
Nephrotomy surgery 617.46

Nepos, Cornelius Lat. lit. 878.3
Nepotism administration 351.1
Neptune
astronomy 523.48
Roman mythology 292
Nernst
bulbs phot. lighting 771.447653
lamps elec. " 621.32653
Nerve
1st, *see* Olfactory nerve
2nd, *see* Optic "
3rd, *see* Oculomotor "
4th, *see* Troclear "
5th, *see* Trigeminal "
6th, *see* Abducent "
7th, *see* Facial "
8th, *see* Auditory "
9th, *see* Glossopharyngeal nerve
10th, *see* Vagus nerve
11th, *see* Accessory "
12th, *see* Hypoglossal "
cells histology 611.01882
physiology 612.822
psychophysiology 131.222
centers
morphol. changes in
physiology 612.82256
physiology 612.82
pressure on physiol. 612.8245–6
psychophysiology 131.22
removal physiology 612.8226
superior, and reflexes
physiology 612.8338
fatigue physiology 612.8166
fibers histology 611.01883
physiology 612.81
roots
spinal
anatomy 611.827
microscopy anat. 611.832
terminations histology 611.01886
waves
rapidity of physiol. 612.8165
theories of " 612.8162
Nerves
and muscles
elec. phenomena of
physiology 612.813
nutrition of muscles
physiology 612.7465
cicatrization of
physiology 612.81853
Nerves (cont.)
cranial anatomy 611.831
physiology 612.819
see also specific names
degeneration of
physiology 612.81851
pathology 616.87
peripheral physiology 612.81
regeneration of
histology 611.01881
physiology 612.81852
spinal anatomy 611.832
physiology 612.81994
psychophysiology 131.23
Nervous
conductibility physiol. 612.8163
discharge, direct
psychology of emotions 157.215
disorders medicine 616.8
psychology 132
school hygiene 371.712
excitation physiology 612.8222–5
exhaustion medicine 616.843
psychology 132.143
impulse velocity
psychometry 152.830903
stimulation
psychophysiology 131.215
thermic & chemic
phenomena of 612.814
system
action on muscles
physiology 612.81
anatomy 611.8
psychology 131.13
and chemic changes
physiology 612.8228
gastric digestion
physiology 612.328
glycogenesis
physiology 612.35213
hepatic function
physiology 612.358
hunger & thirst
physiology 612.3913
intestinal
digestion
physiology 612.338
medicines therap. 615.78
metabolism
physiol. chem. 612.01538
nitrogenous
excretion
physiology 612.461238

Nervous (cont.)
system (cont.)
and pancreatic
digestion
physiology 612.348
secretion
physiology 612.407–.408
speech physiol. 612.7893
sweat " 612.7928
urinary secretion
physiology 612.4638
autonomic
see Nervous system
sympathetic
biology comp. anat. 574.48
botany " " 581.48
chemistry of
physiology 612.8221
psychophysiology 131.2221
human physiology 612.8
hygiene 613.8
organography, biologic 574.78
botanic 581.78
zoologic 591.78
pathology 616.8
physiology psychol. 131.2
psychology 131
surgery 617.48
sympathetic
pathology 616.88
psychophysiology 131.29
anatomy 131.139
vegetable histology 581.848
zoology comp. anat. 591.48
tissue **histology 611.0188**
Neshoba co., Miss. hist. 976.2685
Nesle Eur. w., 1917 940.4314
1918 940.4341
air raids 940.448
Ness co., Kan history 978.146
Nestor (Psittacidae)
ornithology 598.71
[1] **Nestorian church 281.8**
Nests
breeding zootechny 636.082461
housing " 636.0831–2
ornithology 598.2
Net fishing sports 799.13
sinkers archeology 571.26
vaulting
arched constr'n 721.456
Netherlandish languages 439.3
Netherlands
history 949.2
Netherlands (cont.)
revolt Spanish history 946.04
see also Dutch, Holland
Nets and veils dom. econ. 646.484
textile mfg 677.66
zootechny 636.081111
Netsukes carving 736.68
Netting agric. prot'n 632.9
aircraft supports 629.134328
Nettle (Urticaceae) bot. 583.9621
Nettlerash pathology 616.51
Network, metal mfg 677.53
Neu Mecklenburg island
history 993.6
Pommern island hist. 993.6
Neue Amadis, Der
German fiction 833.55
Neufchâtel cheese
dairy industry 637.3534
Neumes music notation 781.24
Neuradoideae
(Rosaceae) botany 583.37
Neural
centers and forgetting
psychology 154.515
groove embryology 611.01351
network physiol. of
invertebrates 612.8292
Neuralgia pathology 616.87
Neurasthenia
and genius psychology 151.162
medicine 616.843
psychology 132.143
Neurenteric canal embryol. 611.01336
Neurilemma histology 611.018833
Neuritis pathology 616.87
Neuroepithelial dementia
medicine 616.8982
psychology 132.1982
Neuroglia histology 611.01884
Neurohypnotism hypnotism 134
Neurology anatomy 611.8
pathology 616.8
physiology 612.8
zoologic 591.18
Neurolymph physiology 612.8241
Neurons histology 611.01881
psychology 131.21
Neuroptera
agricultural pests 632.74
entomology 595.74
pseudo- agric. pests 632.73
entomology 595.73
Neuropterides botany 585.974
paleobotany 561.5974
Neuroses medicine 616.85
psychology 132.15

Neurosis
hypnotism 134.0167
vasomotor medicine 616.898132
psychology 132.198132
Neurotic poisons
see Poisons, neurotic
Neuter sex biology 577.825
Neuters
apiculture 638.12155
biology 574.162
vegetable generation 581.162
zoology 591.162
Neutral strip, Okla hist. 976.612
Neutrality
law of war 341.3
proclamation, 1793
US history 973.43
Neutrodyne
receiving sets radio 621.384136626
Neuve Chapelle Eur. w. 940.4243
Neuveglise
Eur. w., 1918, Ap. 940.4342
Sep. 940.4356
Nevada
county, Ark history 976.752
Calif " 979.437
state
acquisition US hist. 973.621
admission " " 973.71
history 979.3
see note under Virginia
Nevsky process phot. 772.14
New
Albany, Ind history 977.219
Amsterdam Island
Indian Ocean " 969.91
Bern, NC, exped., 1864
US Civ. war 973.7362
history 975.6191
Britain Island hist. 993.6
Brunswick, Can. " 971.5
NJ " 974.942
Caledonia " 993.2
[1] **church Swedenborgians 289.4**
England
colonial architecture 724.174
confederacy, 1643–64
US history 973.23
history 974
see note under Virginia
settlement, 1620–43
US history 973.22
witchcraft occultism 133.409744
US hist. 973.25
New (cont.)
Forest pony (Equidae)
domestic animals 636.1626
France Can. history 971.01
Granada " 986
Guinea European war 940.4239
history 995
Hampshire history 974.2
see note under Virginia
Hanover co., NC hist. 975.627
Natal " 968.45
Haven co., Conn " 974.67
Hebrides " 993.4
Holland, Australia " 994
Ireland Island " 993.6
Jersey " 974.9
see note under Virginia
[1] **Jerusalem church**
Swedenborgians 289.4
Kent co., Va history 975.543
Leichester swine
(Suidae) dom. anim. 636.4244
London co., Conn hist. 974.65
Madrid co., Mo " 977.8985
Market, Va, battle, 1864
US Civil war 973.7369
Mexican goat (Bovidae)
domestic animals 636.3981
Mexico
acquisition US hist. 973.821
admission " " 973.912
history 978.9
see note under Virginia
Netherlands, conquest of
US history 973.24
Orleans, La.
battle, 1814–15
US history 973.5239
capture, 1862
US Civil war 973.7321
naval history 973.752
history 976.335
Plymouth colony
Mass history 974.4
River valley, WVa hist. 957.47
Smyrna, Fla " 975.9211
South Wales
Australia " 994.4
Sweden (Pa) " 974.8
Testament 225
Gk lang. of philol. 487.3
see also Bible, Biblical, and names of specific parts
thought psychology 131.324
year folklore 398.33242
social customs 394.268

New (cont.)
York
city
Brit. evacuation, 1783
Amer. revol. 973.339
US anniv. 973.363
occupation, 1776
Amer. revol. 973.3323
history 974.71
point printing typog. 655.38
Society of the 2d war
with Gt. Brit. in the
state of 369.144
state history 974.7
see note under Virginia
Zealand
hemp (Liliaceae)
cordage mfg 677.71
field crops 633.572
history 993.1
spinach (Aizoaceae)
garden crops 635.4
Newark, NJ history 974.932
O " 977.1541
Newaygo co., Mich " 977.458
Newberry co., SC " 975.739
Newborn
care of obstetrics 618.6
nourishment of physiol. 612.3942
physiology 612.648
Newburgh, NY
addresses, 1782–83
American revolution 973.349
Washington's head-
quarters Amer. revol. 973.367
Newcastle co., Del hist. 975.11
Natal " 968.42
Newfoundland " 971.8
Newington, London " 942.14
Newlyn school painting 759.247
Newport
city
Ky history 976.9341
RI, French fleet at
American revolution 973.354
county, RI history 974.56
News, Va " 975.5416
News bureaus journalism 070.4312
censorship of
library economy 024.58
channels journalism 070.4311
dept " 070.431
Newsboys " 070.334
Newspaper
advertizing in business 659.1327–8
attractions
circulation increase 070.337–.338
circulation journalism 070.33
communication
means for news 070.4311
directories 016.07
editions
journalism 070.327–.328
special journalism 070.47
editorial work 070.4
equipment
cost, upkeep, etc. 070.341
files library fittings 022.935
finances 070.34–.36
illustration drawing 741.66
morals ethics 179.1
journalism 070.11
names 070.22
printing journalism 070.32
sales income 070.35
methods 070.336–.338
staff
editorial journalism 070.4
office " 070.311
style " 070.41
rhetoric 808.4
supplements journalism 070.47
syndicates " 070.26
transportation rates
journalism 070.345
Newspapermen space rates
journalism 070.344
Newspapers
and government 070.15
business management of 070.3
endowed 070.12
frequency of publication 070.325
journalism 070
journals, etc.
in various countries 071–079
library acquisition 025.2932
administration 025.1732
preservation 025.8
publicity 021.74
location of 070.23
relations with
other professions 070.1
student education 371.805
see also Journalism, Press
Newsreel phot. fine arts 778.53807

Newsrooms
and reading rooms, free
[1] **library economy** 027.9
outside libraries 022.17
News-stands journalism 070.334
Newt (Lacertilia) herpetol. 598.11
Newton co., Ark history 976.716
Ga " 975.859
Ind " 977.2974
Miss. " 976.267
Mo " 977.873
Newton's binomial theorem
algebra 512.4
Nexo, M A Dan. fict. 839.8136
Nez Perce
county, Ida history 979.685
nat'l forest, Ida descr. 917.9682
Prairie, Ida history 979.684
Ngami, Lake description 916.811
Nganhwei, China history 951.225
Nganking " " 951.2252
Ngaundere history 967.16
Eur. w. 940.4268
Ngotshe history 968.41
Ngqueleni " 968.649
Niagara
county, NY " 974.798
Falls, NY " 974.799
Fort, capture, 1813
US history 973.5234
grape viticulture 634.84709
Nibelungenlied Ger. poet. 831.21
Nicaea history 956.1
see also Nice
Nicaragua history 972.85
Nicaraguan canal
commerce 386.445
engineering 626.9097285
Niccolini, G B It. drama 852.71
Nice history 944.94
see also Nicaea
Nicea history, ancient 939.25
Nicene
[1] **ante-, church, 100–325** 281.3
creed doctrinal theol. 238.14
ecumenic council
325 church history 270.21
787 " " 270.27
[1] **post-, church, 325–1054** 281.4
Niches
arched construction 721.48
architectural design 729.348
landscape structures 717.83
Nicholas 1 Russian hist. 947.07
2 " " 947.08
co., Ky " 976.9417
WVa " 975.469
Nicholls, Mrs A B (Bronté)
English fiction 823.81
Nickel
chemistry 546.74
coinage metals 332.418
mineralogy 549.2
mining 622.348
ores geology, economic 553.48
processes photography 772.28
work fine arts 739.56
Nicobar islands history 992
Nicolaus Hermanni
Swedish poetry 839.7111
Nicolet co., Que hist. 971.455
Nicollet co., Minn " 977.632
Nicotiana (Solanaceae)
field crops 633.71
Nicotin
pharmacy 615.32379
toxicology 615.99
see also Tobacco
Nidaros history 948.4
Nidulariineae botany 589.2218
Niellowork archi. dec. 729.64
metal arts 739.15
Niembsch von Strehlenau
N F German poetry 831.76
Niemen River history 947.5
Eur. w. 940.4251
Niepce de St Victor
silver processes phot. 772.12–.13
Nièvre history 944.56
Nievsky process phot. 772.14
Niger
Coast protectorate hist. 966.93
colony history 966.26
delta " 966.93
Military Territory hist. 966.26
River history 966.21
Nigeria " 966.9
Night
attacks mil. tactics 355.422
clubs architecture 725.71
passenger rates
railways 385.132243
photography fine arts 771.4491
raptores (Strigidae)
ornithology 598.97
schools
architecture 727.97
[1] **education, adult** 374.8
public 379.19

Night (cont.)
soil and pollution
public health 614.764
vision physiology 612.843633
psychology 152.13633
work
child labor 331.33
library staff 023.631
office economy 651.4231
women's economics 331.41
workmen 331.812
Nightmares dreams 135.323
Nightshade (Solanaceae) bot. 583.79
Nigretti sheep (Bovidae)
domestic animals 636.365
Nihilism philosophy 149.8
polit. econ. 335.83
Niigata history 952.151
Nijo Japanese " 952.016382
Nile goat (Bovidae)
domestic animals 636.39862
River & valley history 962
West, district
Uganda history 967.616
Nilssoniaceae botany 585.922
paleobotany 561.5922
Nimbuses in art 704.9486
Nîmes history 944.83
Nimmyo Japanese " 952.01615
Nine men's morris games 794.2
Nine-holes games 796.37
Ninepins recreation 794.6
Ninety-Six, Fort, SC
American revolution 973.3373
Nineveh history, ancient 935.2
Ninevitic cuneiform lang. 492.19
Ninghsia, China history 951.75
Ningpo, " " 951.242
Ninken Japanese " 952.01345
Ninko " " 952.02531
Ninna " " 952.01614
Nintoku " " 952.0129
Niobium chemistry 546.891
processes phot. 772.76
Niobrara
nat'l forest, Neb. descr. 917.8273
River section, Neb hist. 978.271
Nipissing district " 971.314
Nipple anatomy 611.691
Nipplewort
(Liguliflorae) botany 583.552
Nippon history 952
Nirvana philosophy 181.4
Nisard, Désiré Fr. essays 844.77
Nish Eur. w., 1915 940.4256
1918 940.4376
Nisqually Indian
reservation, Wash hist. 979.778
Nisshu history 952.27
Nissl's bodies histol. 611.01882
Nitellaceae botany 588.42
Niton chemistry 546.296
Nitrarioideac
(Zygophyllaceae) bot. 583.221
Nitrate films phot. chem. 771.523
Nitrates chemic tech. 661.6
fertilizers 631.842
mineralogy 549.72
Nitrification
fertilizers 631.8472
physiologic botany 581.13344
Nitrifying crops agric. 631.8471
Nitrites
heart depressants 615.716
Nitrobacteriaceae bot. 589.953
Nitrocellulose silk indus. 677.461
Nitro-derivates
organic chemistry 547.8
Nitrogen
and nutrition physiol. 612.3922
oxygen therapeutics 615.835
assimilation botany 581.13353
compounds
and albuminoids
physiology of nutrition 612.39816–19
pollution
public health 614.727
chemistry of blood 612.124–.125
in urea physiology 612.4612
fertilizers 631.84
group chemistry 546.17
in food domestic econ. 641.12
metabolism
physiologic chemistry 612.01533
Nitrogenous
reserves physiol. bot. 581.133856
substances
absorption in stomach
physiology 612.32274
physiol. of nutrition 612.398
Nitroglycerin chem. tech. 662.2
Nitrous oxid
anesthetics 615.781
surgery 617.9
Nitzschioideac botany 589.6233
Nival
plants vegetable ecol. 581.52655

Nival (cont.)
regions
alpine vegetable ecol. 581.5244442
polar " " 581.524441
see also Alpine, Arctic
Nivernais
draft horse (Equidae)
domestic animals 636.1545
history 944.56
Nkandhla history 968.32
No Man's Land
Oklahoma " **976.612**
Noah grape viticulture 634.843209
Nobel prizes
educational endowments 378.32
Nobility
[1] **biography** **923.2**
education of 371.962
ethics 177.5
heraldry **929.7**
social classes 323.31
see also Peerage, nobility, etc.
Noble co., Ind history 977.276
O " 977.195
Okla " 976.627
Leyczon, La
Provençal poetry 849.132
Nobles co., Minn history 977.624
Noblesse oblige
card games 795.4
Nocera grape viticulture 634.8545
Noctambulism psychology **135.5**
Noctilucidae botany 589.973234
Noctuina entomology 595.786
Nocturne music form 781.50834
piano music 786.43
Nodaway co., Mo history 977.812
Nodes
of Ranvier histology 611.018834
stem anatomy 581.49523
Nodier, Charles Fr. fict. 843.72
Nodose ganglion anatomy 611.89191
[4] **Nogair language** **494.33**
Nogal territory history 967.75
Nogent grape viticulture 634.8544
Noise physics 534.4
physiology 612.850124
psychology 152.20124
public health 614.78
Nolanaceae botany 583.792
Nomads sociology 397
No-man's-land
Africa history **968.63**
Nomenclature music 781.23
in other specific fields
[2] see subject —014
Nominalism
philosophy 149.1
vs realism church hist. 270.5
Nominations suffrage 324.231
Nomograms radio 621.384083
Nomography
legislative procedure 328.373
Nomsz, Johannes
Dutch drama 839.31245
Nonbombicid silk **677.43**
Christian
religion and educ.
sociology **377.9**
religious
ass'n bldgs archi. **726.99**
history
comparative theol. **290**
temples archi. **726.1**
combatants
European war 940.3161
war prisons 365.45
see also Civilians
conformists, English
church history 274.2
existence ontology **111.82**
ferrous ores
geology, economic **553.4**
intercourse acts
US history 973.48
jurors, Eng. ch. hist. 274.2
metallic
money fin. econ. **332.5**
poisons toxicology **615.923**
[1] **monophysite churches**
sectarian history **281.8**
nitrogenous substances
in urine physiol. **612.4618**
metabolism of
physiologic chem. 612.015346–347
physiol. of nutrition 612.398197
protoplasmic contents
vegetable cytology **581.874**
residents
income taxation 336.247
taxation 336.294
ruminantia mammalogy **599.732**
sectarian schools
public aid to educ. 379.1215
sense
games 793.76

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Nonsense (cont.)
syllables
memory study
psychol. 154.078
tests psychol. 151.23
sexual, *see* Asexual
sphericity of planets
astronomy 521.43
Nord dept history 944.28
Nordenflycht, H C
Swedish poetry 839.7143
Norfolk
cattle (Bovidae)
dom. anim. 636.2265
city, Neb history 978.2541
county, Eng. " 942.61
Mass " 974.47
Ont " 971.336
Va " 975.552
Island " 994.8
sheep (Bovidae) dom. anim. 636.3235
turkey (Gallinae) agric. 636.5927
Noricum history, ancient 939.85
Norite petrology 552.37
Norm metaphysics 124
Normal
dull childstudy 136.7622425
psychology 132.2425
schools
see Teachers colleges
training agriculture 630.775
Norman
cattle (Bovidae)
dom. anim. 636.2461
conquest English hist. 942.021
conquests European " 940.14
county, Minn " 977.693
draft horse (Equidae)
domestic animals 636.1541
Romanesque architecture
English 723.4202
French 723.442
Sicilian 723.458
swine (Suidae) dom. anim. 636.443
Normandy
conquest of Scan. hist. 948.02
history 944.2
Norris process phot. 772.14
Norrland history 948.8
Norse
discoverers Amer. hist. 973.13
[4] **languages** 439.5
Norseman card games 795.4
Norsemen Scan. history 948.01–.02
North
African archi. styles
early Christian 723.123
Mohammedan 723.321
America history 970
American
and Australasian route
commerce 387.5228
architectural styles
pre-Columbian 722.917
cryptograms botany 586.097
Atlantic
ocean physiography 551.461
route commerce 387.5221
states, US history 974.1–.6
see note under Virginia
Australia history 994.295
Carolina
history 975.6
see note under Virginia
secession US hist. 973.713
Central states, US hist. 977
see note under Virginia
Dakota
admission US hist. 973.86
history 978.4
see note under Virginia
German confederation
history 943.081
Holland cattle (Bovidae)
domestic animals 636.2351
Little Rock, Ark hist. 976.7731
Pacific route commerce 387.5227
Park, Colo history 978.866
Platte
bird reservation, Neb
description 917.8298
city, Neb history 978.2821
forest reserve, Neb
description 917.82785
Plain, Neb history 978.295
pole exploration 919.8
sea physiography 551.461
Territory cession
American revolution 973.318
Northampton
county, Eng. history 942.55
NC " 975.649
Pa " 974.822
Va " 975.515
Northeast
boundary controversy
US history 973.57–.58
passage description 919.8

Northeast (cont.)
states, US history 974
see note under Virginia
territory, Can. history 971.28
Northern
colonial architecture 724.174
dynasties Chinese hist. 951.013
dynasty Japanese " 952.0225
grape viticulture 634.8453
Ireland history 941.591
see also Ulster
lights astronomy 523.59
neck, Va history 975.52
Terr., Australia hist. 994.29
war, 1699–1721
Russian history 947.05
Scandinavian " 948.05
Northfield, Mass " 974.42
Northmen Amer. " 973.13
Scan. " 948.01–.02
Northumberland
county, Eng. " 942.82
NB " 971.521
Ont " 971.357
Pa " 974.831
Va " 975.521
Northwest
boundary
decision, 1872 US hist. 973.82
treaty, 1849 int'l law 341.273
US hist. 973.611
campaign, 1812 " " 973.5231
passage
description 919.8
voyages & discoveries 973.1
rebellion Can. hist. 971.054
Territories " " 971.2
Territory, US " 977
Norton co., Kan " 978.1155
grape vitic. 634.845109
Norway history 948.1
Norwegian
haybox cookery 641.588
kitchen equip. 643.338
[4] **language** 439.82
Nose
aircraft constr'n 629.13431
anatomy 611.21
and speech physiology 612.7891
blowing " 612.219
muscles anatomy 611.7323
pathology 616.21
physiology 612.2154
of smell 612.861
psychology " " 152.31
Nosema bee diseases 638.1533
Noshito silk waste indus. 677.443
Noshu (Mino) history 952.1611
(Noto) " 952.1551
Nosiola grape viticulture 634.85436
Nosology medicine 616.012
Nossara grape viticulture 634.85436
Nostocaceae botany 589.83
Nostrums public health 614.27
Nota, Alberto It. drama 852.65
Notaries, pub. jurispr. 347.96
Notation
abridged geom., anal. 516.52
arithmetic 511.2
music 781.24
in other specific fields
see subj. —0148
Notch, sliding ordnance 623.4251
Note taking educ. meth. 371.3
lit. " 029.4
shorthand use 653.18
Notebooks
literary methods 029.4
office supplies 651.4668
Notehand abbreviations 653.24
Notes
financial economics 332.77
interstaff office econ. 651.758
promissory business fin. 658.148
commer. law 347.7
pub. & priv. fin. econ. 332.53
Notheiaceae (Fucales) bot. 589.452
Notices
of meetings office econ. 651.76
publishers' bookselling 655.55
Notidanidae ichthyology 597.31
Notion psychology 153.1
Noto history 952.1551
Notochord embryology 611.01341
Notoungulata mammalogy 599.63
paleozoology 569.63
Not-self
and self psychology 153.72
cognition " 156.223
Nottingham history 942.52
Nottoway co., Va " 975.5637
Notts " 942.52
Nouns English etymology 422.5
[3] other lang. —25
English morphol. 425.15
[3] other lang. —515
English syntax 425.5
[3] other lang. —55
Nova Scotia history 971.6
Novaculite petrology 552.45

Novalis, *pseud.* Ger. fict. 833.63
Novel
reading ethics 175.8
library economy 028.4
writing rhetoric 808.3
Novelists biography 928.083
Novellino, il It. fict. 853.11
Novels, lit., *see* Fiction
Roman law 349.37
Novelties, adver. on bus. 659.137
Novelty and attention
psychology 152.723225
Novgorod history 947.2
Novilatiin universal lang. 408.9
Nowata co., Okla hist. 976.697
Noxious
elements botanic chem. 581.1926
gases, effect on plants
botany 581.5222724
materials and pollution
public health 614.75
Noxubee co., Miss. hist. 976.2955
Noyon European war
1917 940.4314
1918, March 940.4341
June-July 940.4344
August 940.4354
Nozzles steam turbines 621.16533
theory 621.16513
Nqamaqwe history 968.677
Nqutu " 968.32
Nuba Mts " 962.8
Nubia " **962.41**
Nubian
goat (Bovidae)
Abyssinian dom. anim. 636.3986
Indian " " 636.39854
languages 496.5
sheep (Bovidae) dom. anim. 636.386
Nucellus seed anatomy 581.46722
Nu-Chên dynasty
Chinese history 951.024
Nuciculture agriculture 634.5
Nuck, canal of anatomy 611.6673
Nuckolls co., Neb hist. 978.237
Nuclear
division veget. cytol. 581.8762
fusions
vegetable cytology 581.8763
reproduction 581.166
membrane veget. cytol. 581.87326
physics 539.1
Nuclei olivaris superior
(dentate) anatomy 611.81713
Nucleoalbumins
physiol. of nutrition 612.398136
Nucleolus veget. cytology 581.87324
Nucleoproteids
physiol. of nutrition 612.3981451
Nucleus
ambiguous anatomy 611.81875
caudatus " 611.81321
cellular physiology 612.01422
cytology 611.01813
dorsalis anatomy 611.8223
hypothalamicus " 611.8141
lentiformis " 611.81322
molecular physics 539.1
of cell veget. cytology 581.8732
ruber anatomy 611.81544
Nude
figures painting 757.22
fowls (Gallinae) agric. 636.5882
the fine arts 704.942
Nudibranchia zoology 594.36
Nudiflorae botany 584.6
Nuevo Leon history 972.1
Nuisance taxes pub. fin. 336.2713
Nuisances
indus. sanitation 628.5
private law 347.5
public health 614.7
Null method
radio measurements 621.38417134
Nullification ordinance
SC, 1832 US history 973.561
see also Secession, States' rights
Number
cosmology 119
indefinite ontology 111.821
plates archi. constr'n 721.894
[3] signs of English etymol. 422.5
[3] other lang. —25
work elem. arithmetic 372.7
Numbering
machines
manufactures 681.6262
office equipment 651.265
printing 655.36
textile equipment 677.02853
writing methods 652
of pages printing 655.27
textile process 677.02823
see also special fibers
Numbers
book of Bible 222.14
personification of
psychology 152.777

Numbers (cont.)
prime arithmetic 511.3
suggesting forms
psychology 152.7714
theory of algebra 512.81
Numerals arithmetic 511.2
Numeration
and notation arithmetic 511.2
systems of " 511.1
Numeric
calculations math. 510.83
system office filing 651.5334
tables, in specific
[2] fields see subject —0835
Numerology divination 133.335
Numida meleagris (Gallinae)
agriculture 636.593
Numidia hist., ancient 939.72
Numismatics sculpture 737
Nuñez de Balbóa, Vasco
American history 973.16
Nunneries architecture 726.75
church hist. 271.9
Nuns
cloistered relig. orders 271.96
Dominican " " 271.972
of the Visitation of Mary 271.975
religious orders 271.9
Nupé history 966.96
Nuremberg " 943.32
Nurseries floriculture 635.969
forestation 634.9564
plant culture 631.537
see also Greenhouses
Nursery
catalogs agriculture 631.5214
domestic economy 649.2
food domestic economy 649.3
hygiene 613.22
furnishing dom. econ. 645.67
lore folklore 398.8
schools elem. educ. 372.2412
Nurses
domestic economy 647.25
medicine 610.73069
metagenetic
biology 574.163
physiologic zoology 591.163
registration of
public health 614.24
Nursing dom. economy 649
industrial hyg. 331.822
medicine 610.73
Nurslings, care of
child welfare 362.71
Nusairiyah
Mohammedanism 297
Nut gatherers agric. tools 631.3581
Nutation
astronomic corrections 522.96
astronomy, theoretic 521.9
movements botany 581.1853
Nutmeg
muskmelon (Cucurbitaceae)
garden crops 635.611
(Myristicaceae)
field crops 633.834
state (Conn) history 974.6
Nutricism botany 581.55742
Nutrition
and secretion physiol. 612.403–.404
animal ecology 591.53
biology 574.13
domestic economy 641.1
hygiene 613.2
of bones physiology 612.752
muscles " 612.7465
plants agriculture 631.811
physiologic botany 581.13
zoology 591.13
physiology 612.39
school hygiene 371.716
vegetable ecology 581.53
Nutritive value of food
domestic economy 641.1
hygiene 613.2
physiology 612.392
zootechny 636.0852
Nutritory organs
biology comp. anat. 574.43
botany " " 581.43
organography, biologic 574.73
botanic 581.73
zoologic 591.73
vegetable histology 581.843
zoology comp. anat. 591.43
Nuts
and nutrition physiol. 612.39272
as food dom. economy 641.12
hygiene 613.27
domestic economy 641.345
forest products 634.987
fruit crops 634.5
harvesting 631.5561
Nux vomica (Loganiaceae)
botany 583.74
pharmaceutics 615.32374
spinal poisons 615.97
Nyamandhlovu history 968.926

Nyanza province, Kenya
history 967.62
Nyasa
Companhia do history 967.91
Lake, Tanganyika " 967.85
Nyasaland protectorate
history 968.97
European war 940.4238
Nyaya philos. Buddhism 294.3
Nyblom, C R Swed. essays 839.7466
Nyctaginaceae botany 583.9153
Nyctalopia physiology 612.843633
psychology 152.13633
Nyctitropism botany 581.18332
Nyeri history 967.64
Nyerup, Rasmus
Danish essays 839.8145
Nyffé history 966.96
Nylon silk industry 677.473
Nymphaeineae botany 583.118
Nymphomania psychology 132.753
Nyssaceae botany 583.415
Nystagmus psychology 152.67363

O

Oak
(Fagaceae) forestry 634.9721
silk worms (Bombycina)
textile mfg 677.423
Oakland
city, Calif. history 979.466
county, Mich " 977.438
Oars boating 797.123
Oases city planning 711.421
physiography 551.58
Oaths
ethics 179.5
legal procedure 347.94
of allegiance
naturalization 323.62
office
legislative organiza. 328.361
social customs 394.43
teachers' education 371.1
Oats
(Aveneae) field crops 633.13
grass " 633.265
zootechny 636.08613
peas, beans
children's game 796.13
Oaxaca history 972.7
Obadiah Bible 224.91
Obbia sultanate history 967.76
Obedience
children's ethics 173.6
doctrinal theology 234.6
Obelisks
cemeteries 718.66
Egyptian antiquities 913.32
Oberammergau passion play
theater 792.1
Obernetter process
collographic phot. 774.1
copper printing " 772.17
photogravure " 777.1
Obesity
glandular pathology 616.4
pathology 616.39
physiology 612.3977
Obex anatomy 611.8185
Obion co., Tenn history 976.813
Obituary addresses
biography 920
homiletics 252.9
Object
glass, telescopic astron. 522.24
teaching elem. educ. 372.3
Objective method educ. 371.335
Objectives microscopy 578.2
Oblates religious order 271.76
Obligations, soc. ethics 177.8
Oblique
arches arched constr'n 721.455
archi. " 721.427
perspective drawing 742.4
vaults arched constr'n 721.455
intersecting 721.44
Obliquis abdomini anatomy 611.7363
Oboe wood instrument 788.7
Obok history 967.71
Obrenovics swine (Suidae)
domestic animals 636.472
O'Brien co., Ia history 977.714
Obscene
literature
and art ethics 176.7–.8
lib. book selection 025.217
loan restrictions 024.674

Observances, ceremonious
social customs 394.4
Observantines Franciscans 271.33
Observation
errors probabilities 519.6
games 793.71
instruments mfg 681.2
psychology 152
towers architecture 725.976
Observatories
architecture 727.552
astronomy 522.1
school buildings 371.623
equipment 371.662
in other specific fields
[2] see subject —072
Observing powers
elementary education 372.3
Obsession
demoniac sorcery 133.42
spiritistic spiritism 133.90165
Obsessional neurosis
medicine 616.8522
psychology 132.1522
Obsidians petrology 552.23
Obsidional money
numismatics 737.47
Obstacle races
horsemanship 798.45
Obstacles fortifications 623.117
Obstetric operations 618.8
Obstetrics medicine 618.2
Obstinacy ethics 179.8
Obturator artery anatomy 611.1375
externus " 611.73826
internus " 611.73817
nerve " 611.8356
Obturators photography 771.36
Obtuse arches
architectural constr'n 721.422
Ocarina music 788.5
Occasionalism
metaphysics 122
philosophic system 147
psychology 130.16223
Occipital artery anatomy 611.13326
bone " 611.7151
glands " 611.4631
joints " 611.7211
lobe " 611.81315
Occipito-frontalis " 611.7322
Occultations
and longitude finding 525.48
astronomy 523.99
Occultism philosophy 149.3
psychology 133
Occupation
and crime sociology 364.26
as remedy therapeutics 615.851
choice of education 371.425
territorial polit. sci. 320.1263
Occupational
diseases economics 331.822
see also specific names & names of organs & syst. affected
hygiene medicine 613.6
representation suffrage 324.227
Occupations
and birth rate demog. 312.1
marriage " 312.5
mortality
demography 312.2
public health 614.146
dangerous economics 331.823
demography 312.9
economics 331.7
kindergarten methods 372.213
Ocean
coast changes geology 551.36
county, NJ history 974.948
navigation commerce 387
pollution
industrial sanitation 628.541
Pond, Fla, battle, 1864
US Civil war 973.7364
routes commerce 387.52
tides astronomy 525.6
transport
commerce 387.5
vs other transport
sociology 387.112
railways railroads 385.1267
travels 910.4
see also Sea
Oceana co., Mich history 977.459
Oceania history 990
Oceanography physiography 551.46
Ochnaceae botany 583.245
Ochoco nat'l forest, Ore
description 917.9583
Ochromonadales bot. 589.974553
Ocimoideae (Labiatae) " 583.891
Oconee co., Ga history 975.819
SC " 975.721
Oconto co., Wis " 977.537
Ocreae leaf anatomy 581.49726
Octateuch Bible 222
Octaves piano exercises 786.34

Octocorolla zoology 593.62
Octoknemataceae botany 583.9461
Octopoda zoology 594.56
Octroi houses archi. 725.147
tax pub. finance 336.282
Ocular
accommodation physiol. 612.844
circulation " 612.8426
psychology 152.126
refraction physiology 612.844
psychology 152.14
Oculi window constr'n 721.843
Oculist's glasses mfg 681.42
Oculomotor nerve
anatomy 611.8313
nucleus of anatomy 611.8155
physiology 612.8193
of eye 612.8463
psychology 152.163
Oda Nobunaga Jap. hist. 952.0241
Odd
and even games 793.73
Fellows halls archi. 728.46
secret soc. 366.3
lot brokers
stock exchange 332.62
Oddities, in specific fields
[2] see subject —0883
Odel, Anders Swed. poet. 839.7144
Odessa history 947.7
Eur. war, 1918 940.4374
Odic force hypnotism 134.0162
Odobenidae mammalogy 599.747
Odonata entomology 595.733
Odontalgia dentistry 617.65
Odontoceti mammalogy 599.53
Odontographs mech. eng. 621.831
Odontology
anatomy 611.314
animal comp. anatomy 591.43
surgery 617.6
Odontopterides botany 585.975
paleobot. 561.5975
Odontornithes ornithol. 598.2
paleozool. 568.2
Odor
in plants floriculture 635.9783
physiology 612.86
psychology 152.3
suggested by other sensations psychology 152.773
suggesting color psychol. 152.77123
Odoriferous secretion
botany 581.1442
zoology 591.144
Odors
classification of
physiology 612.86012
fusion of physiology 612.8674
psychology 152.374
Oe — *see also* E —
Oedipodiaceae botany 588.21441
Oedipus complex
psychoanalysis 131.34123
Oedogoniaceae botany 589.47422
Oehlenschläger, A G
Danish poetry 839.81161
Oenotheraceae botany 583.445
Offal and pollution
public health 614.763
Offaly history 941.86
Offenders, first prisons 365.42
see also **Criminals, Delinquents**
Offensive
animals economic zool. 591.66
materials and pollution
public health 614.75
plants economic botany 581.66
Offertory
organ music 786.86
sacramentals 264.9
sacred music 783.23
windows archi. constr'n 721.845
Office
and apartment, or store
buildings archi. 725.22
buildings 651.1
architecture 725.23
care of dom. econ. 647.9623
city planning 711.662
districts city plan. 711.552
economy
business 651
museum administration 069.65
eligibility to polit. sci. 323.68
furnishing dom. econ. 645.64
materials & supplies 651.46
legislative bodies 328.364
oaths legis. organiza. 328.361
organization 651.3
space indus. archi. 658.236
tenure of civil service 351.4
workers' titles & duties 651.37
Officeholding
legis. restrictions 328.349
Officers
admin., univ. & col. 378.11
children, care of pub.
sociology 362.75

Officers (cont.)
government
in legislative bodies 328.3321
legis. power over 328.345
labor economics 331.124
legislative bodies 328.362
local government 352
maneuvers mil. science 355.55
military staff 355.33
office economy 651.372
see also qualifying or specific terms
Offices, plurality of econ. 331.65
Official
bureaus, depts, etc., in
[2] specific fields see subj. —061
ceremonies soc. customs 394.4
periodicals journalism 070.481
publications polygraphy 083
residences architecture 725.17
Officials
duties ethics 172.2
government admin. 351.1
recall of 351.9
Offset
photolithography f. arts 775.5
photometalography " " 776.5
Offsets
plant culture 631.5321
vegetable generation 581.1655
wall construction 721.25
Offshoots plant dissemination botany 581.52266
Ogasawara islands hist. 952.85
Ogee
arches archi. constr'n 721.422
roofs " " 721.588
Ogemaw co., Mich history 977.475
Ogimachi Jap. history 952.0237
Ogival
arches archi. constr'n 721.422
architecture 723.5
Ogives vaulting constr'n 721.456
Ogle co., Ill history 977.332
Oglethorpe co., Ga hist. 975.8175
Ogoja history 966.94
Ogres folklore 398.4
Ohio
county, Ind history 977.212
Ky " 976.9835
WVa " 975.414
grape viticulture 634.847
River history 976.9
valley history 977
WVa " 975.41
Ohio (cont.)
state, admission US hist. 973.46
history 977.1
see note under Virginia
Ohmmeters elec. eng. 621.3742
Oicomonadaceae botany 589.9746
Oil
baths prac. chemistry 542.46
boilers locomotive eng. 621.1331
coal, *see* Coal oil
color processes phot. 773.8
cooking by dom. econ. 641.583
domestic heating 644.23
lighting 644.312
drawing, direct f. arts 741.28
engine plow farming 631.3123
engines
agricultural power 631.3716
internal combustion 621.4342
motor vehicles 629.25145
feeders lubrication 621.89
gages mot. veh. equip. 629.2732
light phot. fine arts 771.4434
painting
building industry 698.1
colors mediums f. arts 751.245
painting 751.235
fine arts 751.45
plants econ. botany 581.645
field crops 633.85
refining
and pollution
public health 614.724
chemic technology 665
reserves physiol. bot. 581.133855
Rivers protectorate
history 966.93
stoves kitchen equip. 643.333
strainers lubrication 621.89
switches elec. stations 621.31735
tractors agriculture 631.3722
Oilcloth manufacture 677.68
Oilers shipbuilding 623.826
textile equipment 677.02851
Oiling road engineering 625.75
textile process 677.02821
see also special fibers
Oils
animal chem. analysis 543.9
as food dom. economy 641.14
chemic technology 665
essential chem. tech. 668.5
fixed pharmaceutics 615.34
food adulterations 614.313

Oils (cont.)
mineral geology, econ. 553.28
mineralogy 549.8
painting solvents, art 751.247
protective therap. 615.776
vegetable chemic anal. 543.8
see also qualifying or specific terms
Oilsilk manufactures 677.68
Ointments therapeutics 615.776
Oise history 944.35
Oita " **952.25**
Ojin Japanese history 952.0128
Okahandya history 968.856
Okaloosa co., Fla hist. 975.998
Okanogan
county, Wash history 979.728
Highlands, Wash " **979.72**
national forest, Wash
description 917.9728
Okapi (Giraffidae) mammal. 599.73572
Okavango district hist. 968.11
Okayama history **952.194**
Okeechobee co., Fla hist. 975.953
Okefenokee Swamp " 975.875
Okfuskee co., Okla " 976.673
Oki history 952.1964
Okinawa " 952.81
Oklahoma
City, Okla history 976.6381
county, Okla " **976.638**
state, admission US hist. 973.911
history **976.6**
see note under Virginia
Terr. history **976.61**
opening US hist. 973.86
Okmulgee co., Okla hist. **976.683**
Okra (Malvaceae)
garden crops 635.648
Oktibbeha co., Miss. hist. 976.295
Oktoknemaceae botany 583.9461
see also Octo —
Olacaceae botany 583.26
Olai, Ericus Swed. poet. 839.7113
Old
age
and medicines therap. 615.54
annuity insur. bus. 368.37
cookery for dom. econ. 641.563
food for hygiene 613.21
funds public relief **362.62**
homes for architecture 725.56
economics 331.256
insurance, *see* Insurance
old age
libraries for 027.6626
Old (cont.)
age (cont.)
mortality demography 312.2
pub. health 614.135
pensions economics 331.252
relief sociology **362.6**
see also Senescence
[1] **Amish Mennonites relig.** **289.7**
[1] **Catholics sect. hist.** **284.81**
Dominion (Va) history **975.5**
[4] **French language** **447.01**
guard, Order of the
US societies 369.116
Kentucky Home state
park, Ky history 976.945
Line state (Md) hist. **975.2**
maid games 793.75
[4] **Norse language** **439.6**
North state (NC) hist. **975.6**
[4] **Saxon language** **439.2701**
literature 839.2
school Baptists
[1] **sectarian history** **286.4**
Testament **221**
pseudepigrapha **229.91**
see also Bible, Biblical, & names of specific parts
Oldenburg
cattle (Bovidae)
dom. animals 636.2344
history 943.52
horse (Equidae)
dom. animals 636.143
swine (Suidae)
dom. animals 636.434
Oldfashioned
gardens landscape art 712.626
plants " " 715.17365
Oldham, John Eng. wit 827.45
Oldham co., Ky history 976.938
Olea europeae (Oleaceae)
fruitculture 634.63
Oleaceae botany 583.71
Oleaginous reserves
physiologic botany 581.133855
Olearia (Asteraceae) bot. 583.5543
Oleaster (Elaeagnaceae) " 583.935
Olefins org. chemistry 547.22
Olempe sheep (Bovidae)
domestic animals 636.3468
Oleo-gum-resin, *see* Asafetida
Oleoideae (Oleaceae) bot. 583.71
Oleomargarine, *see*
Butter, artificial
Oléron laws jurisprudence 347.7
Olfaction physiology **612.86**
psychology **152.3**

Olfactometers
psychophysics 152.8243
Olfactory
acuteness physiology 612.8671
bulb & tract anatomy 611.8133
center physiol. of smell 612.8672
chromisms psychology 152.77123
nerve anatomy 611.8311
physiology 612.81915
organs anatomy 611.86
physiology 612.861
perception physiology 612.867
phonisms psychology 152.7723
prism physiology 612.86012
sensations, subjective
physiology 612.8673
psychology 152.373
sensibility physiology 612.8671
synesthesia psychology 152.773
Oligarchy polit. science 321.5
Oligocene period geology 551.781
Oligochaeta zoology 595.16
Oliniaceae botany 583.937
Olisipo history 946.94
Oliva anatomy 611.8183
Olivary body, nucleus of
anatomy 611.81777
Olive
oil chem. technology 665.3
(Oleaceae) fruitculture 634.63
Olive-green algae (Chlorophyceae) botany 589.47
Oliver grape viticulture 634.8544
Twist games 793.75
Olivet, Mt, Order of
(Olivetans) church hist. 271.13
Olmedilla, R F de la Cruz
Cano y Spanish drama 862.43
Olmsted co., Minn hist. 977.6155
Olona (Urticaceae)
filed crops 633.565
Olonetz history 947.2
Olózaga, Salustiano de
Spanish oratory 865.51
Olpidiaceae botany 589.285
Oltmans, J F Dutch fict. 839.31353
Olufsen, O C Dan. drama 839.81257
Olustee, Fla, battle, 1864
US Civil war 973.7364
Olympia, Wash history 979.7791
Olympiads chronology 529.3
Olympic
games Greek antiquities 913.38
sports 796.4
Olympic (cont.)
national forest, Wash.
description 917.9794
peninsula, Wash history 979.794
Olympus, Mt, Greece hist. 949.5
Greek mythol. 292
Wash descr. 917.9798
Omaha
city, Neb history 978.2251
Indian reservation, Neb
history 978.2227
Oman history 953.5
Omaruru " 968.858
Omber card games 795.41
Omeishan, China history 951.38
Omens psychology 133.334–.335
Omentum anatomy 611.382
pathology 616.38
physiology 612.339
Omi, lake description 915.21815
province history 952.181
[1] **Omish Mennonites 289.7**
Omissions abbreviations 653.22
Ommiads Spanish history 946.02
Omnibus
riders legis. procedure 328.376
tests psychology 151.23
Omnicolore process phot. 778.66
Omnigraph engraving 768
mech. drawing 744.3
Omnipotence, omnipresence &
omniscience doc. theol. 231.4
Omohyoideus anatomy 611.7333
Omoplatoscopy psychology 133.333
Omphalomescenteric
artery anatomy 611.1364
vein " 611.1497
On, Egypt history 962.16
Onagraceae botany 583.445
Onceno, R A, Cronica del
Spanish poetry 861.15
Onderdonk grape vitic. 634.845109
Ondo history 966.92
Oneida
community socialism 335.974764
county, Ida history 979.641
NY " 974.762
Wis " 977.525
Oneiromancy psychology 135.382
Oneness ontology 111.821
One-two-and-three games 793.73
One-two-three order
office filing 651.5334
One-way plow farming 631.3124

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Ongova history 968.11
Ongtischaf (Bovidae)
domestic animals 636.385
Onion shaped domes
arched construction 721.46
Onions (Liliaceae)
garden crops 635.25
Onitsha history 966.93
Onkelos version Bible 220.48
Onobrychis viciaefolia
(Fabaceae) field crops 633.361
Onondaga co., NY hist. 974.765
Onslow co., NC " 975.623
Ontario
Canada history 971.3
county, NY " 974.786
Ont " 971.355
Lake, Can. " 971.35
Ontogenetic periods
vegetable cytology 581.8767
Ontogeny anatomy 611.013
biology 574.135
botany 581.135
embryology
animal 591.3
biologic 574.3
vegetable 581.3
zoology 591.135
Ontology 111
Ontonagon co., Mich hist. 977.4985
Onychophora zoology 595.5
Onygenaceae botany 589.238
Oochytriaceae " 589.285
Oocystaceae " 589.47522
Oogenesis " 581.323
Oogonia veget. morphol. 581.4623
Oolite
geology, stratigraphic 551.76
petrology 552.56
Oology ornithology 598.2
Oomycetes botany 589.251
Oosporeae algae 589.5
fungi 589.24
Oospores veget. embryol. 581.32543
Ooze petrology 552.54
Opacity meters
photographic sensitometry 771.5345
Opal glass supports
photographic chemistry 771.525
Open
access library stacks 022.432
air concert gardens
landscape art 712.543
concerts recreation 791.2
Open (cont.)
air (cont.)
schools education 371.718
theaters lands. art 717.686
see also Outdoor
arches archi. constr'n 721.425
door policy tariff 337.92
shop economics 331.889
spaces city block plan. 711.632
zoning 711.52
Opening
address bus. letters 651.753
exercises educ. meth. 371.3322
Openings in streets
sewer ventilation 628.231
Openwork goods
special fabrics 677.65
textile mfg 677.02864
see also special fabrics
Opequon, Va, battle, 1864
US Civil war 973.7377
Opera ethics 175.2
glasses mfg 681.412
houses archi. 725.822
city plan. 711.668
music 782
theater 792.4–.5
Operation
and functioning, in specific
[2] fields see subject —000364
commercial sociology 380.1683
of motor vehicles 629.28
ontology 111.6
studies shop manage. 658.542
Operations arithmetic 511.2
calculus of 517.7
obstetrics 618.8
surgery 617.4
Operative surgery 617.9
Opercula insulae anat. 611.81312
Operculum " 611.81319
Operetta music 782.8
theater 792.6
Ophicleide brass instr. 788.45
Ophidia herpetology 598.12
Ophiocytiaceae botany 589.484
Ophioglossales " 587.331
Ophiomorpha herpetology 597.7
Ophiopogonoideae (Liliaceae)
botany 584.32
Ophiuroidea zoology 593.94
Ophthalmia surgery 617.71
Ophthalmic artery anat. 611.13332
nerve " 611.83152
veins " 611.14515–16

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Ophthalmology anatomy 611.84
pathology 617.7
physiology 612.84
Ophthalmometer " 612.84261
psychology 152.1261
Ophthalmoscope physiology 612.84312
psychology 152.1312
Opiliaceae botany 583.945
Opinion social psychol. 301.154
Opisthobranchia zoology 594.35
Opitz, Martin Ger. poet. 831.51
Opium analgesics 615.783
habit ethics 178.8
hygiene 613.82
pharmaceutics 615.3231221
toxicology 615.961
see also Poppy
war Chinese hist. 951.036
Oporto grape viticulture 634.843209
Opossum
grape viticulture 634.8445
(Marsupialia) mammalogy 599.2
shrimp (Schizopoda) zool. 595.383
Opotherapy
hepatic physiology 612.35161
medicine 615.36
Oppianus Greek epic poet. 883.4
Opponens
digiti quinti anatomy 611.73776
pollicis " 611.73773
Opportunity schools
[1] **education, adult** 374.8
public 379.19
Opposition lands. art 712.25
soc. psychol. 301.1532
Oppositions solar syst. 523.23
Opsonification medicine 615.37
physiol. 612.118223
Optic
accommodation
eye pathology 617.75
physiology 612.8421
psychology 152.121
center anatomy 611.8144
physiology 612.84371
psychology 152.1371
crystallography 548.9
disc anatomy 611.843
fibrillae
degeneration
physiology 612.84378
psychology 152.1378
histology
physiology 612.84371
psychology 152.1371
Optic (cont.)
illusions physiology 612.84374
psychology 152.1374
instruments mfg 681.4
physics 535.8
lobes anatomy 611.8153
physiology 612.8265
nerve
anatomy 611.8312
degeneration physiol. 612.84378
psychol. 152.1378
ophthalmology 617.73
physiology 612.8192
of eye 612.843
psychology 152.13
perceptions physiology 612.84372
psychology 152.1372
receivers radio 621.3841365
screw manufactures 681.43
tracts & commissure
anatomy 611.8144
Optical
devices in adver. bus. 659.13
dispersion heliochromy
photography 778.64
sensitivity to color
photographic chemistry 711.5342
tables, problems etc.
physics 535.9
Optics
photographic arts 770.1535
physics 535.85
physics 535
physiologic medicine 612.84
physics 535.7
psychology 152.1
Optimism philosophy 149.5
Options, dealing with
stock exchange 332.64
Opuntia (Cactaceae)
fruitculture 634.775
Orach (Chenopodiaceae)
garden crops 635.43
Oracles psychology 133.3
Oral
advertizing business 659.14
instruction educ. meth. 371.33
reading elem. education 372.4
tradition comp. relig. 291.8
Oran history 965.1
Orang (Catarrhina)
mammalogy 599.82
Orange
county, Calif. history 979.496
Fla " 975.924
Ind " 977.227

Orange (cont.)
county (cont.)
NC history 975.6565
NY " 974.731
Vt " 974.36
Va " 975.537
family (Rutaceae) fruitc. 634.31
Free State history 968.5
Osage (Moraceae) botany 583.9622
River Colony history 968.5
Orangeburg co., SC hist. 975.779
Orangemen polit. ass'ns 363
Orangeries landscape art 717.684
Oranges, The, NJ history 974.933
[4] **Oraon language** 494.826
Orations
literary coll'ns 808.85
[1] **student, univ. & col.** 378
in specific fields
[2] see subject —04
see also Oratory
Oratorical clubs
self-education 374.24
Oratories architecture 726.41
Oratorios
orchestral music 785.21
sacred music 783.3
secular " 782.8
Orators biography 928.085
Oratory homiletics 251–252
literary hist. 809.5
literature
American 815
English 825
[3] other —5
rhetoric 808.5
Orbicularis
oris anatomy 611.7326
palpebrarum " 611.7325
Orbit
corrections of elements
astronomy 521.35
of comets astronomy 523.63
earth " 525.3
moon " 523.33
variation of elements
astronomy 521.34
Orbits
anatomy 611.7146
determination of astron. 521.32–.33
in space, plane of
astronomy 521.21
of celestial bodies
astronomy 521.3
Orbits (cont.)
ophthalmology 617.78
position of astronomy 521.22
Orcas Island, Wash hist. 979.774
Orchard
disk harrow farming 631.3138
grass (Festuceae)
field crops 633.22
Orchards
agriculture 634
landscape art 715.267
renewal of agriculture 631.538
Orchestra
and organ music 786.89
halls architecture 725.81
leader music 781.6325
stalls architecture 729.935
Orchestral music 785.1
sacred 783.1
with solo instruments 785.6
voices 785.2
Orchestration music 781.632
Orchestrion manufactures 681.824
music 789.7
Orchidaceae botany 584.12
Orchids
fertilization of botany 581.16625
forest products 634.9895415
Orchitic fluid physiology 612.616
Ordainment, *see* Ordination
Ordeal, trial by
legal antiquities 340.3
Order
dept lib. admin. 025.2
of the
acorn, Colonial US soc. 369.126
founders and patriots of
America 369.125
Loyal legion of the US
Military 369.152
Old guard US societies 369.116
public admin. 351.75
records office files 651.65
Orderlies mil. science 355.34
prison admin. 365.63
Orders
buying methods 658.74
for payment fin. credit 332.77
holy eccles. polity 262.16
sacraments 265.4
in council, 1807–8
European history 940.27
military command 355.331
honors 355.134
relig. heraldry 929.7

Orders (cont.)
monastic church hist. 271
of architecture 729.326
knighthood heraldry 929.71
see also Peerage, nobility, etc.
social polit. science 323.3
Ordinal Catholic ritual 264.027
Greek " 264.0197
Prot. Epis. " 264.037
etc.
Ordinance
church architecture 726.594
of 1787 Amer. revol. 973.318
Ordinances
city local gov't 352
local library " 023.1
ritual, Catholic 264.025
Greek 264.0195
Prot. Epis. 264.035
etc.
theology 265
Ordination
ecclesiastic polity 262.16
sacraments 265.4
sermons homiletics 252.7
Ordnance
accidents with mil. eng. 623.483
commissions " " 623.4823
experiments " " 623.4823
instruments " " 623.462
military engineering 623.4
stores, care of
mil. engineering 623.48
tests mil. engineering 623.482
Ordoverax process phot. 776.6
Ore
analysis metallurgy 669.9
cars mining 622.63
concentration mining 622.75
deposits
classification of
geol., economic 553.12
geology, economic 553.1
stratified geol., econ. 553.14
unstratified " " 553.15
dressing mining 622.7
elevators architecture 725.365
reduction works archi. 725.432
Oreamnos montanus
(Bovidae) dom. anim. 636.2937
Oregon
Caves national monument
description 917.9525
Oregon (cont.)
City, Ore history 979.5411
county, Mo " 977.8875
national forest descr. 917.9541
question US history 973.58
state, admission US hist. 973.68
history 979.5
see note under Virginia
trail, US history 978
treaty, 1849 int'l law 341.273
US history 973.611
Oreodonta mammalogy 599.7352
paleozoology 569.7352
Ores
chemic analysis 543.6
ferrous geol., econ. 553.3
geology, economic 553
mech. preparation of
mining 622.7
metallurgy 669
mineralogy 549
mining 622
non-ferrous geol., econ. 553.4
see also Geology, economic
Orford, H W Eng. letters 826.61
Organ
barrel manufactures 681.821
music 789.7
cases architecture 729.97
mechanical mfg 681.823
music 789.9
music 786.8
sacred f. arts 783.1
musical instrument 786.6
rolls lib. acquisition 025.298
admin. 025.178
preservation 025.8
Organa lateralia anatomy 611.889
Organic
and inorganic matter
biology 577.1
physiology 612.0136
chemistry 547
composition bot. chem. 581.1923
compounds processes
dye-forming phot. 773.7
photography 773.4
drugs pharmacy 615.3
extracts and blood pressure physiology 612.1462
fluids, molecular concentration of physiol. 612.0144622
food assimilation bot. 581.13355
gases chemistry 541.337
liquids " 541.327

Organic (cont.)
material production
biology 574.137
physiologic botany 581.137
zoology 591.137
perceptions
pathol. of psychol. 152.677
tests psychology 152.6789
products chemic anal. 543.8
remains paleontology 560
sensations
suggesting color 152.77126
sound 152.7726
synesthetic psychol. 152.776
senses physiology 612.88
psychology 152.6739
sensibility " 152.671
Organifiers phot. chem. 771.543
Organisms
mutual influence of
veget. ecology 581.5241
physiologic biology 574
physiology 612.014
Organization
and administration, viewpoint, in specific fields
[2] see subject —008
service, interior
viewpoint, in specific
[2] fields see subject —006
business management 658.16
dept labor economics 331.12
engineering works 621.704
forestry management 634.9283
in general 007
Organizations
labor economics 331.88
political 363
societies, ass'ns, etc.
[2] in other fields see subj. —06
Organography
biology 574.7
botany 581.7
of bees apiculture 638.1211
vegetable histology 581.84
zoology 591.7
Organotherapy medicine 615.36
Organs
number of
veget. teratology 581.225
overuse of hygiene 613.65
quantity of blood in
physiology 612.189
supernumerary surgery 617.36
Organs (cont.)
surviving, experiments on
physiology 612.0138
terminology of, in
[2] specific fields see subj. —01433
veget. ecologic anat. 581.52252
Organzine silk mfg 677.4161
Oriels archi. design 729.3845
Orient history 950
Oriental
architectural styles
ancient 722
early Christian 723.12
churches architecture 726.581
[1] sect. hist. 281.5
frill pigeons (Columbae)
agriculture 636.59634
horses (Equidae)
dom. animals 636.11
languages 490
music 781.75
mythology 291
religions 290
rugs arts & crafts 745.526437
manufactures 677.643
[1] theologians biography 922.1
Orientalism
painting schools 759.911
Orientals, education of 371.976
Orientation
courses curriculum 375.006
ecclesiastic archi. 246.1
observation of
comp. psychology 151.3072585
of bldgs archi. design 729.21
sense physiology 612.8861
psychology 152.67361
Orifices hydraulics 532.52
Origanum (Lamiaceae)
garden crops 635.71
Origen philosophy 189.2
version Bible 221.48
Origin
marks tariff 337.34
of life biology 576
man doc. theology 233.1
somatology 573.2
sexes biology 575.9
species evolution 575.8
world metaphysics 113
in specific fields
[2] see subject —011
Original sin doc. theol. 233.14
Originality genius 151.123

Orinoco River history 987
Oriole
(Acromyodi) ornithology 598.81
windows archi. constr'n 721.845
Oriskany, NY, battle
American revolution 973.3334
Orissa history 954.1
[1] language 491.45
Orkney
islands history 941.12
sheep (Bovidae)
dom. animals 636.3258
Orlando, Fla history 975.9241
Orléans, Charles duc d'
French poetry 841.22
Orléans
city, Fr. history 944.52
county, NY " 974.791
Vt " 974.32
grape viticulture 634.8543
house of Fr. history 944.063
Ile d', Que " 971.448
Maid of Fr. " 944.026
parish, La. " 976.335
province Fr. " 944.51–.53
territory, US " 976.3
Ormin, fl. 1200 Eng. poet. 821.12
Ormuzd Zoroastrianism 295
Ornamental
accessories
landscape structures 717.9
birds aviculture 636.68
botany landscape art 715–716
design fine arts 745.43
figures ceramics 738.84
[1] gardens floriculture 635.9
painting fine arts 751.76
plasterwork masonry 693.63
roofing archi. constr'n 721.566
stones ceramics 738.53
geol., economic 553.8
mining 622.38
tile floors
architectural constr'n 721.68
water landscape art 714.3
Ornamentation
ecclesiastic theology 247
fine arts 704.945
Ornaments
archeology 571.7
art furniture 749.7
carved architecture 729.5
coins as numismatics 737.47
costume toilet 391.7
domestic economy 645.5
of toilet dom. economy 646.48
painted archi. dec. 729.4
Orne history 944.23
Ornithology 598.2
Ornithopters aviation 629.13336
Orobanchaceae botany 583.821
Orographic movement and
plant succession bot. 581.524324
Oroheliographs phot. 771.316
Orology physiography 551.43
Oropesa, Tomás de Iriarte y
Spanish poetry 861.45
Oropharynx anatomy 611.3272
Orphans
asylums architecture 725.57
care of sociology 362.73
childstudy 136.767
education of 371.966
pensions for relief 362.635
Orphic poems Gk classics 883.5
Orpin (Crassulaceae) bot. 583.39
Orpington fowls (Gallinae)
agriculture 636.524
Orrery descr. astronomy 523.28
Orris (Iridaceae)
field crops 633.815
Orthochromatic photography 778.62
Orthodontioideae (Bryaceae)
botany 588.21415
[1] Orthodox church, Eastern 281.9
[1] Friends Quakers 289.6
Orthodoxy doc. theology 230
vs heresies 273
Orthoepy 411.5
English language 421.5
[3] other " —15
Orthogenésis theory biol. 575.0163
Orthography 411
English language 421
[3] other " —1
Orthomorphic projections
cartography 526.82
Orthonectida zoology 595.19
Orthopedic appliances
manufactures 685.38
surgery 617.92
Orthopedics surgery 617.3
Orthoptera agric. pests 632.72
entomology 595.72
Orthopters aviation 629.13336
Orthoskiagraphic phot. 778.62
Orthotrichineae botany 588.21535
Ortlieber grape vitic. 634.8543
Oryzeae botany 584.927
grass crops 633.284

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Os dilatation obstetrics 618.84
Osage
county, Kan history 978.164
Mo " 977.858
Okla " 976.625
orange (Moraceae) bot. 583.9622
Osaka history 952.188
Osawatomie, Kan history 978.1681
Osborne co., Kan " 978.1215
Osceola co., Fla " 975.925
Ia " 977.7116
Mich " 977.469
Oscillariaceae botany 589.83
Oscillating
circuits radio 621.3841291
crystal receivers " 621.384136628
Oscillation
constant radio circuits 621.384125
forced, system radio 621.384153
transformers
radio inductors 621.38413323
Oscillations
aerodynamics 629.13236
Oscillators
electron tubes in radio 621.3841326
radio equipment 621.3841311
Oscillions radio tubes 621.384132
Oscillographs
cathode ray
radio circuits 621.38413384
electric meters 621.3747
high frequency
radio measurements 621.38417127
Oscoda co., Mich history 977.478
Osculation calculus 517.24
Osee Bible 224.6
Oshima history 952.41
Oshkosh, Wis " 977.565
Oshu " 952.111
Osier (Salicaceae)
fiber crops 633.588
textile industry 677.543
Oslo history 948.2
[4] Osmanli language 494.35
Osmium chemistry 546.94
processes phot. 772.35
Osmosis
chemistry of solutes 541.341
electric therapeutics 615.84
mesology 612.0144621
of gases physics 533.1
liquids " 532.7
physiologic botany 581.1155
physiol. of absorption 612.382
Osmotic
permeability of blood
physiology 612.11117
solutions, effect on
plants botany 581.522275
Osmotropism botany 581.183234
Osmundaceae " 587.3121
Osseous cells histology 611.01841
Osseous
regeneration physiol. 612.753
tissue histology 611.0184
[4] Ossetic language 491.56
Ossian, Macpherson's
English poetry 821.66
Ossoli, S M (Fuller)
American essays 814.31
Ossuaries architecture 726.82
Ostend
Eur. w., 1914 940.4213
1918 940.4364
naval opera. 940.458
naval base 940.453
manifesto, 1854 US hist. 973.66
Osteogenetic layer histol. 611.01844
Osteology anatomy 611.71
comparative 591.47
Osteopathy therapeutics 615.82
Osterode battle, 1914
European war 940.4221
[4] Ostiak, Ugro-, language 494.513
[4] Ostiako-Samoyed " 494.421
Ostmark history 943.6
Ostracoda zoology 595.33
Ostrich
African (Struthionidae)
ornithology 598.51
American (Rheidae)
ornithology 598.52
Ostriches aviculture 636.611
Ostrogoths hist., anc. 936.361
It. 945.01
Ostropaceae botany 589.2333
Osumi history 952.291
Oswego co., NY " 974.767
Otaheite
apple (Anacardiaceae)
fruitculture 634.442
gooseberry (Euphorbiaceae)
fruitculture 634.666
history 996.2
Otariidae mammalogy 599.746
Otaru history 952.421
Otero co., Colo " 978.895
Otfrid von Weissenburg
German poetry 831.12

Othello grape viticulture 634.84909
Otic ganglion anatomy 611.89156
Otis group tests psychol. 151.22232
Otocysts anatomy 611.8526
comp. 591.48
physiology 612.85876
psychology 152.2876
Otoe
county, Neb history 978.2273
Indian reservation, Neb
history 978.2286
Otoliths, *see* Otocysts
Otology anatomy 611.85
pathology 617.8
physiology 612.85
Otsego co., Mich hist. 977.484
NY " 974.774
Ottawa
city, Can. " 971.384
county, Kan " 978.126
Mich " 977.415
O " 977.121
Okla " 976.699
Que " 971.422
River
counties, Ont hist. 971.38
region " 971.42
Otters (Lutrinae) mammal. 599.744478
Ottertail co., Minn hist. 977.689
Otto 1 German history 943.022
2 " " 943.022
3 " " 943.022
4 " " 943.025
Otto cycle
combustion engines 621.4321
Ottoe co., Neb history 978.2273
Ottokar, Austrian chronicler
German poetry 831.31
Ottoman empire history 949.6
Ottumwa, Ia " 977.7931
Otway, Thomas Eng. drama 822.45
Ou history 952.11
Ouabe (Tricoccae) botany 583.951
Ouache, Lake, La. descr. 917.6333
Ouachita
county, Ark history 976.766
Mt reg., Ark " 976.74
parish, La. " 976.387
River " 976.37
upper, Ark " 976.76
see also Washita
Ouadaï history 967.45
Oubangui-Chari " 967.41
Oudaan, Joachim
Dutch drama 839.31236
Oudenarde, N A, *pseud.*
American wit 817.23
Oudh history 954.2
Oudtshoorn " 968.737
Ouija board spiritism 133.93
Ounce metrology 389
Ouray co., Colo history 978.822
Ourcq River Eur. w., 1914 940.4215
1918 940.4352
Out indexes
office letter file 651.675
Outagamie co., Wis hist. 977.539
Outbreeding biology 575.132
Outbuildings
architecture 728.9
customs folklore 398.34
Outcast races sociology 397
Outcrop geology 551.85
Outdoor
advertizing business 659.134
cookery dom. econ. 641.578
furnishings " " 645.8
life forest uses 634.997
hygiene 613.75
museums 069.019
photography fine arts 778.71
relief charity 361.2
schools education 371.718
vs indoor relief
pauperism 339.16
sociology 362.5
see also Open air
Outfall
sewers sanitary eng. 628.27
system sewerage " 628.217
Outjo history 968.87
Outlawry criminal law 343
Outline formation
shorthand 653.135
Outlines, in specific
2 fields see subject —02
Outlining
drawing 741.44
painting technic 751.41
Outlooks landscape art 717.682
Outposts military sci. 355.412
Output
commercial viewpoint, in
2 specific fields see subj. —003
pools production 338.83
radio receivers 621.38413616
taxes public finance 336.2713
Outriggers
aircraft constr'n 629.134328
Outworks fortifications 623.117
Ouvroirs economics 331.53
Oval arches
architectural constr'n 721.423
Ovamboland history 968.86

Ovarian artery anatomy 611.1369
plexus " 611.8393
veins " 611.1467
Ovaries
anatomy 611.65
floral 581.463253
gynecology 618.11
in pregnancy physiol. 612.6303
physiology 612.621
Ovariotomy surgery 617.46
Ovens
cooperative poor relief 362.54
outdoor landscape art 717.9
Overcoats dom. economy 646.45
Overdue notices
library book loan 025.6
Overfalls hydraulics 532.53
Overflows sewerage eng. 628.258
Overgrafting plant culture 631.541
Overhead wires
city planning 711.83
electric traction 621.3322
transmission 621.31922
Overlegislation
political science 328.241
Overmantels architecture 729.95
Overnight bags mfg 685.513
Overpopulation
and migration
polit. science 325.13
demography 312.8
Overproduction economics 338.54
See also in Tables subhead, Crises, under specific types of production, e.g. 338.15
Overshot wheels
mech. engineering 621.22
Overside ports commerce 387.142
Overskou, Thomas
Danish drama 839.81264
Overstrain
effect of
labor economics 331.824
library economy 023.643–.644
office " 651.4243–4
physical hygiene 613.73
Overstudy school " 371.71
Over-the-counter markets
financial economics 332.61
Overtime work
child labor 331.33
economics 331.814
cheap labor 331.65
library economy 023.64
office " 651.424
women's employment 331.41
Overton co., Tenn hist. 976.868
Overtones music 781.22
physiology 612.85874332
psychology 152.2874332
Overture instr. music 785.5
music form 781.5086
Overwork
hygiene, occupational 613.61
effect on ment. health
psychology 131.336
Ovibovinae (Bovidae)
domestic animals 636.2935
Ovidius Naso, Publius
Latin poetry 871.2
Oviducts anatomy 611.669
comp. 591.46
veget. morphol. 581.46
Ovis (Bovidae) dom. anim. 636.3
Ovogenesis embryology 611.01316
Ovulation physiology 612.62
Ovules veget. embryol. 581.3242
Ovum
capsule of anatomy 611.6512
embryology 611.01315
pathology 618.32
physiology 612.622
removal of obstetrics 618.88
Owari history 952.1686
Owen co., Ind " 977.243
Ky " 976.939
Sound, Ont " 971.318
Owenism socialism 335.12
Owensboro, Ky history 976.9865
Owerri " 966.94
Owl pigeons (Columbae)
agriculture 636.59622
Owlet-moth (Noctuina)
entomology 595.786
Owls (Strigidae)
ornithology 598.97
Ownership
and control commerce 380.16
journalism 070.2
commerce 380.167
forms of business 658.114
land political econ. 333
private law 347.2
marks library econ. 025.25
zootechny 636.0812
municipal loc. gov't 352.5
public forest policy 634.92516–17
Owsley co., Ky history 976.9176
Owyhee co., Ida " 979.621
River, Ore descr. 917.9597
Oxalate of cerium therap. 615.735
Oxalates mineralogy 549.79

Oxalis (Oxalidaceae) bot. 583.224
Oxen
(Bovidae) dom. anim. 636.2
musk (Bovidae) " " 636.2935
Oxenstierna, J G
Swedish poetry 839.7154
Ox-eye daisy
(Anthemidaceae) bot. 583.5537
Oxford co., Eng. history 942.57
Me " 974.175
Ont " 971.346
down sheep (Bovidae)
domestic animals 636.3234
movement
sectarian hist. 283
Oxid lead accumulators
complex electric eng. 621.35552
Oxidants physiol. chem. 612.01511
Oxidases botanic " 581.19341
Oxidation physiol. bot. 581.1213
practical chem. 542.9
Oxidizers
photographic baths 771.546
sensitivity 771.5343
Oxidizing flame
practical chemistry 542.51
Oxids chemistry, theoretic 541.4
mineralogy 549.5
Oxycalcium light phot. 771.445
Oxycoccos macrocarpus
(Vacciniaceae) fruitcult. 634.76
Oxyether lights phot. 771.446
Oxygen
action of mesology 612.014464
and muscular contraction
physiology 612.74422
nitrogen therap. 615.835
apparatus aircraft 629.1357
chemistry of blood 612.1272
compounds mineralogy 549.5
effect on plants bot. 581.5222722
group chemistry 546.2
in cells respiration 612.262
respiration physiol. 612.22312
tissues respiration 612.262
respiratory chemistry 612.2202
toxic effects of
physiology 612.273
Oxyhemoglobin physiol. 612.11111
Oxyhydrogen light phot. 771.445
Oxyntic glands anatomy 611.333
Oxyrhyncha (Brachyura)
zoology 595.3842
Oxytocics physiology 612.63
therapeutics 615.766
O-Yamato-toyo-
akitsu-shima history 952.1
O-ya-shima-kuni " 952
Oyer grape viticulture 634.8544
Oyo history 966.92
Oyster
catcher (Limicolae)
ornithology 598.33
plant (Cichoriaceae)
garden crops 635.16
Oysters
as food hygiene 613.29
cookery 641.6941
domestic economy 641.3941
fresh state inspection 614.317
(Mollusca) fishery 639.41
paleozoology 564.1
zoology 594.1
preserved
state inspection 614.319
Ozalid process phot. 773.7
Ozark
county, Mo history 977.8835
grape viticulture 634.845109
Mountains history 977.87
nat'l forest, Ark descr. 917.6712
plateau, Ark history 976.711
Ozaukee co., Wis history 977.592
Ozette Indian reservation
Washington history 979.799
Ozobrome
pigment plasters
photographic chemistry 771.5323
processes
oil photography 773.8
photography 773.125
solutions phot. chem. 771.548
Ozocerite chemic tech. 665.4
geology, econ. 553.27
Ozone
action of mesology 612.014464
and health hygiene 613.16
chemistry 546.21
in respiration physiol. 612.22312
respiratory chemistry 612.2202
toxic effects of
physiology 612.273
Ozotype solutions
photographic chemistry 771.548
Ozotypes photography 773.125

P

Paan, China history 951.37
Paarl, Cape Colony " 968.719
Pacchionian bodies anat. 611.8193
Pacer, American (Equidae)
domestic animals 636.128
Pachyderms mammalogy 599.6
Pachytylus (Acrididae)
agricultural pests 632.727
Pacific
county, Wash history 979.792
islands
German European war 940.4239
Polynesian history 996
northwest, US " 979.5
ocean physiog. 551.465
states, US hist. 979
see note under Virginia
war of the, 1879–82 " 983
Pacificus, *pseud.*
American oratory 815.21
Pacifists European war 940.3162
Pack horse
(Equidae) dom. anim. 636.15
mules
(Equidae) " " 636.183
trains mil. equip. 355.83
Packaged goods
value of advertizing 659.12
Packers
agricultural tools 631.3644
subsurface farming 631.3144
Packing
appliances for crops
agriculture 631.364
business methods 658.7884
butter industry 637.2351
cheese " 637.3351
crops agriculture 631.564
farm expenses 631.177
house industry
chemic technology 664.9
houses
and pollution
public health 614.743
architecture 725.28
materials
advertizing on business 659.157
of honey apiculture 638.1636
voltaic cells 621.3524
Packs agric. transport 631.3732
Pacts, international
see Treaties
Paddington, London hist. 942.13
Paddles water wheels 621.21
Paddlewheels shipbldg 623.87
Paddling sports 797.122
Paddock lectures
apologetics 239.05
Padins (Rosaceae) fruitcult. 634.24
Padua history 945.3
Paduan
fowls (Gallinae) agric. 636.552
sheep (Bovidae) dom. anim. 636.35
Paducah, Ky history 976.9951
Pagan architectural styles 722
Paganism comp. religion 290
Pagans biography 922.9
Page
county, Ia history 977.778
Va " 975.594
printing system
telegraphy 621.38255–57
Pageantry recreation 791.6
Pageants
dramatic
scenario writing 808.2
social customs 394.2
theater 792
processional
social customs 394.5
student life 371.895
Pages
legislative bodies 328.3625
numbering of printing 655.27
office personnel 651.3746
Paget process photography 778.66
Paging machines printing 655.36
Pagodas architecture 726.1
comp. religion 291.35
landscape art 717.682
ʿPahlavī language 491.531
Pahsimeroi Mts, Ida hist. 979.672
Paidology psychology 136.7
Pail system sanitary eng. 628.42
Pailleron, E J H
French drama 842.87

Pain chromisms psychology 152.771254
perception physiol. 612.884
phonisms psychology 152.77254
sensations, synesthetic
psychology 152.7754
sensibility physiol. 612.884
psychol. 152.5734
Paint cleaning dom. econ. 648.54
Painted
decoration architecture 729.4
glass fine arts 748.4
papers arts & crafts 745.54
Painters 750.69
biography 927.5
colic pathology 616.97
Painting
ceramic fine arts 738.15
equipment " " 751.3
fine arts 750
interior decoration 747.32
materials fine arts 751.2
mediums " " 751.24
metal arts 739.15
motor vehicle mfg 629.2346
mural archi. decoration 729.492
religious ecclesiology 247.5
schools fine arts 759
shop engineering works 621.795
technic
color fine arts 752.4
fine arts 751.4
trades 698.1
Paintings
archeology 571.72
decorative fine arts 751.76
fine arts 758.9
library decoration 022.349
preservation of f. arts 751.6
reproduction of " " 751.5
restoration mus. econ. 069.4752
specimens " " 069.475
Paints
chemic technology 667.6
economic botany 581.6476
fine arts 751.23
motor vehicle finish 629.268
materials 629.23237
Pairing legis. procedure 328.375
Palaces
architecture 728.3
episcopal architecture 726.92
of justice " 725.15
rulers " 725.17
peace " 725.129
Palate
anatomy 611.315
and speech physiology 612.7892
bone anatomy 611.7162
muscles " 611.73276
Palatinate
history 943.43
Upper history 943.34
war of the US " 973.25
Palau islands " 996.6
Palazzo communale archi. 725.137
Pale blueberry (Vaccini-
aceae) fruitculture 634.736
Paleobiology paleontology 560
Paleobotany " 561
Paleoclimatology
meteorology 551.50901
Paleogeography geology 551.7
Paleography English lang. 421.7
[3] other " —17
philology 417
Paleolithic
age **archeology** 571.1
man, psychology of 136.411
Paleontologic anat. med. 611.016
Paleontologists 560.69
biography 925.6
Paleontology 560
of America 560.97–.98
China 560.951
Java 560.9922
etc.
Paleosyopidae mammalogy 599.7262
paleozool. 569.7262
Paleotheriidae mammalogy 599.724
paleozool. 569.724
Paleozoic period geology 551.72
Paleozoology paleontology 562–569
Palermo history 945.8
Palestine
campaign Eur. w., 1917 940.4331
1918 940.4382
history 956.9
ancient 933
non-Judaic 939.45
Palestrina style music 783.4
Palets painting 751.3
phot. finishing 771.45
Paletuvieraceae
(Rhizophoraceae) bot. 583.411
Palfrey horse (Equidae)
domestic animals 636.13
[4] **Pali language** 491.3701
literature 891.3
Palimpsests rare mss. 091

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Palingenesis metaphysics 129.4
Palisade
cells vegetable morphol. 581.43
nat'l forest, Ida descr. 917.9654
Palisades fortifications 623.117
Pall mall sports 796.354
Palladian
architecture 724.14507
windows archi. constr'n 721.843
Palladiotypes photography 772.33
Palladium chemistry 546.98
Palladius, bishop
Danish literature 839.81824
Pallas astronomy 523.44
Greek mythology 292
occult astrology 133.532
Pallium
cerebral, *see* Cerebral cortex
ecclesiastic insignia 247.6
Pallone sports 796.32
Palm, J H van der
Dutch essays 839.31451
Palm
Beach co., Fla hist. 975.932
family fruitculture 634.6
(Palmaceae) bot. 584.5
fibers cordage mfg 677.71
istle (Liliaceae)
cordage mfg 677.71
fiber crops 633.5772
lines palmistry 133.6432
nuts forest products 634.987
signs palmistry 133.6442
sugar crops 633.65
vaulting
arched constr'n 721.456
Palma
Canary islands history 964.93
Majorca " 946.7
Palmaceous fruits agric. 634.6
Palmaris brevis anatomy 611.73772
longus " 611.73752
Palm-civet (Nandiniidae)
mammalogy 599.74423
Palmellaceae botany 589.47532
Palmer process phot. 778.66
Palmetto
(Palmaceae) fiber crops 633.584
state (SC) history 975.7
Palmieri, Matteo
Italian essays 854.22
Palmistry 133.6
recreation 793.8
Palmists
biography 920.91336
fraudulent humbugs 133.76
Palmyra history, ancient 939.43
Palo Alto
city, Tex, battle, 1846
US history 973.6234
county, Ia history 977.7155
Palomino grape vitic. 634.849
Palouse country
history 979.739
upper, Ida history 979.686
Palpebral
apparatus anatomy 611.847
physiology 612.847
psychology 152.17
muscles anatomy 611.7325
Palsy, *see* Paralysis
Paludan-Müller, Frederik
Danish poetry 839.81167
Palus grape viticulture 634.8544
Pamir languages 491.592
Pamirs history 958.6
Pamlico co., NC hist. 975.6194
Sound, NC " 975.618
Pampas natural landscape 719.234
Pamphlets
direct advertizing 659.133
library acquisition 025.292
administration 025.172
preservation 025.8
miscellaneous collections 040
in specific fields
[2] see subject —04
Pamphylia history, ancient 939.29
Pampiniform plexus anat. 611.1466
Panaetius philosopher 188.4
Panama
Canal
commerce 386.444
engineering 626.90986
opened, 1914 US hist. 973.913
route commerce 387.5226
Congress, 1826
international law 341.1
US history 973.55
hat fiber (Cyclanthaceae)
field crops 633.584
history 986
Pan-American union
international law 341.1
Pan-Americanism
foreign relations 327.7

Pananti, Filippo It. wit 857.67
Panchromatic photography
fine arts 778.62
Pancreas
anatomy 611.37
and chemic substances
physiology 612.344
as internal gland
physiology 612.349
morphology physiol. 612.345
pathology 616.37
physiology 612.34
Pancreatic
artery anatomy 611.13642
fistulas physiology 612.3411
juice and other digestive
phenomena physiol. 612.3425
secretions
pathologic changes of
physiology 612.346
physiology 612.343
zoologic 591.143
Pancreatico-duodenal artery
inferior anatomy 611.13651
superior " 611.13641
Pancreatin therapeutics 615.7342
Panda
(Aeluridae) mammalogy 599.74444
(Aeluropodidae) " 599.74445
Pandales botany 583.985
Pandanales " 584.61
Pandanus fibers
cordage manufactures 677.71
textile " 677.542
Pandarctos (Aeluropodidae)
mammalogy 599.74445
Pandects Roman law 349.375
Pandorina botany 589.47534
Pane work archi. design 729.313
Panel
doors archi. constr'n 721.837
surfaces painting, art 751.222
vaulting
arched construction 721.456
Paneling archi. design 729.313
interior dec. 747.33
mot. veh. body 629.263
Panelled construction
carpentry 694.5
Panels
advertizing 659.134
on business 659.137
carved archi. dec. 729.56
door construction 721.838
Panels (cont.)
electric stations 621.3172
local elec. lighting 621.3283
painted archi. dec. 729.46
radio equipment 621.38413388
sunk landscape art 717.72
Panes window constr'n 721.848
Pangani history 967.82
Pan-Germanism
foreign relations 327.43
Panhandle
Eastern, WVa history 975.49
Idaho " 979.69
Nebraska " 978.29
Northern, WVa " 975.411
Oklahoma " 976.612
state (WVa) " 975.4
Panic
financial, 1837 US hist. 973.57
1873 " " 973.82
grass (Paniceae)
grain crops 633.172
Paniceae botany 584.926
grass crops 633.283
Paniconography phot. 777.2
Panics
commercial dom. trade 381.01242
fin. econ. 332.64
sociology 380.1242
economic production 338.56
see also in Tables subhead Crises under specific types of production, e.g. 338.15
[4] **Panjabi language** 491.42
Pannariaceae botany 589.171
Panniculus adiposus anat. 611.779
Pannonia history, ancient 939.86
Pannotypes photography 772.14
Panola co., Miss. hist. 976.284
Panopticon prison bldgs 365.53
Panoramas archi. bldgs 725.825
landscape art 712.28
painting 751.74
recreation 791.4
Panoramic
cameras photography 771.316
models arts & crafts 745.8
perspective drawing 742.3
photography fine arts 778.36
Panorpidae entomology 595.744
Panpipe music 788.5
Panpsychism philosophy 141
psychology 130.16333
Pans kitchen equipment 643.35
warming dom. econ. 644.19

Pan-Slavism
  foreign relations 327.47
Pantascopes phot. lenses 771.352
Pantascopic cameras phot. 771.316
Pantheism
  and Christianity
    heresies 273.1
  church history 270.8
  natural theology 212
  philosophy 147
Pantheon, Rome archi. 722.7
Panther (Felidae) mammal. 599.74428
Pantograph
  electric traction 621.3347
  mechanical drawing 744.3
Pantomimes music 782.9
    theater 792.3
Pantopoda zoology 595.315
Pantoscopes
  photographic lenses 771.352
  photography 771.46
Pantoscopic cameras phot. 771.316
Pantostomatales botany 589.9748
Pantries domestic economy 643.45–.47
Panzacchi, Enrico
  Italian essays 854.88
Paoli, Pa, battle
  American revolution 973.3336
Paoting, China hist. 951.15
Paotow, " " 951.76
Papacy
  ecclesiastic polity 262.13
  European war, 1914–19 940.31522
  sectarian history 282
  vs secular power
    church hist., medieval 270.3–.5
    history, medieval 940.1
    see also Church and state
Papal
  bulls eccles. polity 262.8
  schism church history 270.5
  states, Italy
    ecclesiastic polity 262.132
    history 945.6
  supremacy, *see*
    Papacy vs secular power
Papaveraceae botany 583.1221
Papaverales " 583.122
Papaw
  (Anonaceae) fruitculture 634.418
  (Papayineae) " 634.651
Papayineae botany 583.462
Paper
  advertizing layout 659.1324
  cutters office fittings 651.4651
Paper (cont.)
  drawing
    equipment, mechanical 744.3
    fine arts 741.3
  engineering materials 620.197
  fibers textile mfg 677.57
  in arts & crafts f. arts 745.54
    clothing dom. econ. 646.182
  manufacture and forestry 634.92476
  materials fiber crops 633.59
  mills architecture 725.46
    manufactures 676
  money
    counterfeiting 332.93
    engraving 767.8
    financial economics 332.53
    numismatics 737.42
  motor vehicle materials 629.23235
  newspaper expenses 070.343
  office supplies 651.4663
  quality publishing 655.53
  races children's games 796.14
  state inspection 614.37
  stationery office econ. 651.712
  supports
    phot. silver processes 772.12
  surfaces painting, art 751.228
  work
    elementary education 372.55
    kindergarten methods 372.213
Paperhanging trades 698.6
Papers
  and essays
    in specific fields
[2] see subject —04
  nonsensitive phot. 771.522
  sensitive
    and speed " 771.5325
    defective " 770.2818
    manufactures " 770.2813
    photographic chemistry 771.5323
  temporary office files 651.57
Paphlagonia hist., anc. 939.31
Papier velours phot. 771.5323
Papier-maché
  manufactures 676
  sculpture fine arts 731.258
Papilionatae botany 583.322
Papillae
  lingual
    anatomy of digestion 611.3135
      taste 611.87
    physiology 612.87
    psychology 152.413
  vegetable morphology 581.4782

Papillary layer anatomy 611.778
Papin's marine engine
mechanical engineering 621.1221
Paprika (Solanaceae)
field crops 633.842
Papua history 995
[4] **Papuan**
language 499.12
swine (Suidae) dom. anim. 636.489
Papyri manuscripts 091
Papyrography photography 775.6
Papyrotints " 775.6
Papyrus surfaces painting 751.228
Parables
Bible New Testament 226.8
literature, American 818
English 828
[3] other —8
Parabola geometry 513.25
Cartesian 516.25
Parabolic
arches archi. constr'n 721.423
law psychophysics 152.8215
Paraboloid
geometry, Cartesian 516.45
Parabosco, Girolamo
Italian fiction 853.45
Paraceles anatomy 611.8138
Paracelsus philosopher 189.5
Paracentral lobule anat. 611.81316
Parachute troops infantry 356.16
Parachutes aircraft 629.134386
Parade
formations mil. sci. 355.53
units " " 355.31
Parades recreation 791.6
use in adver. 659.135
Paradidymis anatomy 611.633
Paradise
earthly
anthropology 572.4
Biblical geography 221.91
doctrinal theology 233.13
Genesis 222.11
heavenly eschatology 236.6
tree (Simarubaceae) bot. 583.241
Paradisi, Agostino
Italian poetry 851.61
Paraffin
chemic technology 665.4
radio insulating material 621.38417910196
sculpture fine arts 731.253
wax painting medium 751.245
Paraffining bldg indus. 691.2
Paraffins organic chem. 547.21
Paragraphing bus. letters 651.752
Paraguay
history 989
tea (Ilicaceae) field crops 633.77
Parakeet (Psittacidae)
ornithology 598.71
Parakites aviation 629.13332
Paralipomenon Bible 222.6
Parallax
astronomy, terrestrial 525.16
corrections, astronomic 522.91
lunar astronomy 523.31
solar
and transits of Venus 523.92
stellar astronomy 523.81
visual optics 535.7
physiology 612.8437233
psychology 152.137233
Parallel
bars athletics 796.44
forces statics 531.24
law psychophysics 152.82143
lines geometry 513.13
perspective drawing 742.4
planes geometry 513.33
standard bimetalism 332.423
system arc lighting 621.3253
Parallelism
literary Bible 220.88
psychology 130.1623
Parallels military eng. 623.23
Paralysis
bee diseases 638.1533
facial physiology 612.81978
infantile medicine 616.83
pub. health 614.54
surgery 617.48
medicine 616.842
see also Innervation, Paresis
Paralytic
dementia medicine 616.892
psychology 132.192
mental deficiency
psychology 132.2443
post-, dementia med. 616.898382
psychol. 132.198382
Paramnesia psychology 132.83
Paranoia medicine 616.8972
pseudo- med. 616.8937
psychol. 132.1937
psychology 132.1972
Paranoid
dementia medicine 616.89825
psychology 132.19825

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Paranoid (cont.)
pseudo-, senile dementia
medicine 616.89837
psychology 132.19837
Parapets
landscape structures 717.83
stair archi. design 729.392
wall " " 729.3176
construction 721.276
Paraphrenia medicine 616.8973
psychology 132.1973
Parapsychology 133–135
Parasites
animal pathology 616.961
causing diseases med. 616.96
comparative physiology 612.0163
intestinal " 612.3363
of animals pub. health 614.92
zoology 591.2
vegetable pathology 616.969
Parasitic
animals economic zoology 591.69
pathologic bot. 581.233
diseases biology 574.23
botany 581.23
pathology 616.96
public health 614.55
skin pathology 616.57
fungi (Ascomycetes) bot. 589.23
plants agric. pests 632.5
economic botany 581.693
pathologic " 581.232
worms (Helminthes) zool. 595.11
Parasitism, symbiotic bot. 581.55763
Parasols costume 391.4
Paratheliaceae botany 589.16
Parathyroids anatomy 611.447
physiology 612.442
Paratonic movements
in plants botany 581.183
Parcel post
aircraft service 629.13823
postal " 383.1
Parcellation
land economics 333.38
of land city planning 711.63
economics 711.14
Parchment
paper manufacture 676
surfaces painting 751.228
Pardon criminology 364.64
Pardoning power
criminal law 343.2
Parenchyma veget. histol. 581.8272
Parenchymatous absorption
physiology 612.388
Parent and child
family law 347.6
Parental
control
and crime sociology 364.253
probation
juvenile
delinquency 364.634
customs & manners 392.3
ethics 173.5
schools criminology 364.722
Parents
age of, and birth rate
demography 312.1
and pub. school control
education 379.154
day Sunday schools 268.75
duties ethics 173.5
Parent-teacher associations
education 371.103
Paresis
medicine 616.892
pseudo-, alcoholic
medicine 616.898124
psychology 132.198124
psychology 132.192
see also Paralysis
Paresthesia medicine 616.856
psychology 132.156
Parian chronicle philol. 481.7
Parietal arteries anat. 611.1373
bone " 611.7154
lobe " 611.81312
Parietales botany 583.12
Parieto-occipital fissure
anatomy 611.81315
Parini, Giuseppe It. wit 857.64
Paris
Commune
1792–94 French hist. 944.043
1871 " " 944.08
political econ. 335.40944
congress of, 1856
international law 341.1
European war, 1914 940.4215
1918 940.4341
air raids 940.444–.447
history 944.36
treaty of
1763 Canadian hist. 971.018
int'l law 341.24
US history 973.26
1783 Amer. revolution 973.317
int'l law 341.273
1899 " " 341.273
US history 973.891

Parish
churches architecture 726.54
ecclesiastic polity 262.2
educational work relig. 257
government admin., Eng. 352.04203
halls architecture 726.45
law eccles. polity 262.2
local gov't 352
libraries 027.832
missions
religious revivals 269
welfare work religion 258
work societies " 256
Parishes, civil
city planning 711.43
Parities
commercial arbitrage 332.65
purchasing power
foreign exchange 332.45
managed currency 332.56
Paritium tiliaceum
(Malvaceae) cordage mfg 677.71
field crops 633.564
Park accessories
city planning 711.68
administration
landscape art 712.513
buildings archi. 725.76
cemeteries
landscape art 718.4
co., Colo history 978.859
hack horse (Equidae)
domestic animals 636.13
maintenance & supervision lands. art 712.515
Range, Colo hist. 978.866
statuary lands. art 717.9
structures " " 712.514
Parke co., Ind history 977.2465
Parked streets
city planning 711.723
landscape construction 713.72
Parkeriaceae botany 587.3126
Parkersburg, WVa history 975.423
Parkings road engineering 625.77
Parkinson's disease med. 616.842
Parks, amusement recrea. 791
and crime sociol. 364.255
flying aeronautics 629.136
forestry 634.92362
hygiene of recrea. 613.75
landscape design 712.4
nat'l nat. lands. 719.32
private lands. art 712.644
Parks (cont.)
public health 614.783
local gov't 352.7
sanitary engineering 628.48
Parkways landscape art 712.514
street planning 711.73
Parliament
buildings architecture 725.11
English legislature 328.42
political science 328
Parliamentary
control civil service 351.96
inquiries legislature 328.372
law political science 328.1
writ legislature 328.351
Parlor
car rates railways 385.132256
dances music forms 781.50852
recreation 793.3
furnishing dom. econ. 645.62
magic recreation 793.8
magicians biography 920.97938
maids domestic economy 647.25
organ music instrument 786.9
pastimes recreation 793
Parmeliaceae botany 589.171
Parmenides philosopher 182.3
Parmesan cheese
dairy industry 637.3545
Parnassiaceae botany 583.381
Parnell, Thomas Eng. poet. 821.52
Parny, E D de Forges
French poetry 841.57
Parochial libraries 027.832
work religion 250
Parodies
literature
see Humor and satire
music 782.84
Parol criminology 364.62
Parolfactory area anat. 611.8133
Paronychieae botany 583.1544
Paroophoron anatomy 611.6677
Paropsidaceae botany 589.2355
Parotid glands anatomy 611.3165
Parovarium " 611.6676
Parquetry floors
architectural constr'n 721.66
Parricide criminal law 343
Parrot-fish (Pharyngognathi)
ichthyology 597.57
Parrots (Psittacidae) avic. 636.686
Parry Sound dist. hist. 971.315

Pars cervicalis anatomy 611.8212
intermedii of
Wrisberg " 611.83175
lumbaris " 611.8214
thoracalis " 611.8213
[4] Parsee language 491.532
[4] sacred, language 491.52
Parseeism
and Christianity
heresies 273.2
Zoroastrianism 295
Parseval Grandmaison, F A
French poetry 841.63
Parsimony
ethics 179.8
wealth consumption 339.44
Parsing English grammar 425.2
[3] other lang. —52
Parsis biography 922.95
Parsley
(Apiaceae) garden crops 635.78
Parsnip
(Apiaceae) field " 633.44
garden " 635.14
Parsonages architecture 726.91
Parsons, Kan history 978.1961
Parterres landscape art 717.688
Parthenogenesis
biology 574.162
botany 581.162
physiology 612.6132
of lower organisms 612.6045
zoology 591.162
Parthenon, Athens archi. 722.804
Parthia history, ancient 935.6
Parthian archi. styles 722.53
Partial differential
equations calculus 517.38
Particles Eng. etymology 422.9
[3] other lang. —29
morphology 425.19
[3] other lang. —519
syntax 425.9
[3] other lang. —59
Parties
political
see Political parties
social domestic economy 642.41
recreation 793
Partington, Mrs, *pseud.*
American wit 817.34
Partisan warfare mil. sci. 355.425
Partitions
architectural constr'n 721.292
office equipment 651.22
Partnership
banks financial econ. 332.13
business management 658.1142–3
commercial law 347.7
production 338.73
Partridgeberry
(Ericaceae) botany 583.62
(Rubiaceae) " 583.52
Part-songs music 784.8
time schools
[1] **educ., adult 374.8**
public 379.19
work labor 331.811
Parturition obstetrics 618.4
physiology 612.63
Party
ballots suffrage 324.253
caucuses
legislative procedure 328.3745
lines telephony 621.3852
organization suffrage 324.233
walls archi. constr'n 721.291
bldgs between
city planning 711.62
Paruta, Paolo It. essays 854.47
Pasco co., Fla history 975.969
Pas-de-Calais " 944.27
Paspalum (Paniceae)
field crops 633.266
Pasquotank co., NC hist. 975.614
Pass univ. & col. degrees 378.22
Passage, final
legislative procedure 328.375
Passaic co., N.J history 974.923
Passavanti, Jacopo
Italian essays 854.12
Passchendaele
European war, 1917 940.4313
1918, Ap. 940.4342
Sept. 940.4361
Passementerie mfg 677.76
Passenger
and
express service
ocean transport 387.542
railways 385.22
freight service
ocean transport 387.5452
railways 385.252
capacity shipbuilding 623.81
cars
motor vehicles 629.222
operation 629.283
railway engineering 625.23

Passenger (cont).
charges, special
railways 385.13229
elevators mech. eng. 621.87771
ferries commerce 386.62
rates
for special persons
railways 385.13226
railways 385.1322
seasonal railways 385.132245
waterways 386.1322
service
aircraft 629.13822
ocean transport 387.542
railways 385.22
vessels shipbuilding 623.824
Passe-partout framing
photographic materials 771.46
photography 770.2864
Passeres ornithology 598.8
Passeroni, G C It. wit 857.62
Passes military science 355.331
railways 385.13226
Passifloraceae botany 583.456
Passiflorales " 583.45
Passion
and crime sociology 364.243
flower (Passifloraceae)
fruitculture 634.425
music fine arts 783.3
of Christ Christology 232.96
plays, *see* Drama
Passionists monastic ord. 271.6
Passions
physiology of brain 612.82133
psychology of emotions 157.4
Passports
administration 351.75
for aliens polit. sci. 323.67
Past pointing psychology 152.67363
Paste office supplies 651.4662
painting medium 751.242
Pastel drawing fine arts 741.23
Pasteurism public health 614.477
Pasteurization
butter industry 637.2336
dairy " 637.1333
public hygiene 614.32
Pasteurizers dairy indus. 637.1323
Pastinaca sativa (Apiaceae)
field crops 633.44
garden " 635.14
Paston letters Eng. lit. 826.2
Pastor eccles. polity 262.14
Pastoral
landscape 719.262
letters homiletics 252.1
life & duties relig. 253
poetry
literature, American 811.06
English 821.06
[3] other —106
rhetoric 808.16
theology 250
Pastorale music 782.8
form 781.5083
Pastorship eccles. polity 262.1
Pastry room dom. econ. 643.36
Pasturage apiculture 638.13
Pasture forest uses 634.994
Pastures
grazing zootechny 636.08422
land economics 333.74
natural landscape 719.262
Patagonia history 982
Patang, China " 951.37
Patavinus, T L Lat. lit. 878.4
Patchouly (Lamiaceae)
field crops 633.812
Patchwork fancywork 746.47
Pâte plastique sculpture 731.252
Patella
anatomy 611.71845
regional 611.983
ligament anatomy 611.72834
Patellariaceae botany 589.2332
Patent
blocks printing 655.22
indexes literary meth. 029.5
insides journalism 070.26
law jurisprudence 347.7
useful arts 608
medicines
adulterations 614.353
public health 614.27
therapeutics 615.88
types printing 655.23
Patents
advertizing protection 659.12
building industry 690.8
in specific fields
[2] see subject —00038
Pater, W H Eng. essays 824.87
Paternalism in library 021.201
Paterson, NJ history 974.924
Pathan archi. styles 723.34
Pathetic nerve
see Troclear nerve

Pathogenesis medicine 616.011
Pathognomy characterology 138
Pathologic
anatomy biology 574.25
botany 581.25
diagnosis 616.0758
chemistry " 616.0756
cytology biology 574.26
botany 581.26
traits personality 137.316
Pathology 616
and genius 151.16
biology 574.2
botany 581.2
mental childstudy 136.76
medicine 616.8
psychology 132
social 360
veterinary medicine 619
zoology 591.2
zootechny 636.0896
Paths cemeteries 718.63
garden composition 712.6243
landscape constr'n 713.73
Patience card games 795.43
ethics 179.9
Patina sculpture 731.28
Patio gardens lands. art 712.6247
Patmawort
(Rafflesiaceae) bot. 583.923
Patois English language 427
[3] other " —7
philology 408.7
Patola (Cucurbitaceae)
garden crops 635.627
Patriarchs
Biblical biography 220.92
Old Testament 221.92
Messianic promises to
Christology 232.122
Testament of
pseudepigrapha 229.914
Patriarchy polit. sci. 321.1
Patricide criminal law 343
Patrick co., Va history 975.5695
Patriotic
holidays soc. customs 394.2649
societies in China 369.251
Mexico 369.272
Spain 369.246
etc.
[1] non-American 369.2
US 369.1
see also specific names
society bldgs archi. 728.47
Patriotism
ethics 172.1
political science 320.158
teaching of curriculum 375.1721
Patriots
biography 923
of America, Order of
the founders and 369.125
Patrol
aircraft service 629.1384
stations, fire archi. 725.191
Patrols military science 355.413
Patronage ethics 177.5
Patronal institutions
labor economics 331.17
Patrons
art fine arts 706.9
days labor holidays 331.817
of husbandry
agricultural ass'ns 630.6273
Pattern
making mot. veh. mfg 629.2344
museum econ. 069.411
mataphysics 124
shop engineering works 621.72
Patterns fine arts 704.945
Pattypan squash (Cucurbitaceae) garden crops 635.621
Paul I Russian history 947.07
Jean, *pseud.*
German fiction 833.62
St, epistles 227
Paulding, J K Amer. wit 817.23
co., Ga history 975.837
O " 977.117
Paulina Mts, Ore " 979.587
nat'l forest, Ore
description 917.9591
Paulpietersburg history 968.41
Paulus Hook, NJ
raid, 1779 Amer. revol. 973.3355
see also Jersey City
Paumotu islands history 996.3
Pauper
asylums architecture 725.55
labor economics 331.6
Pauperism
and crime sociology 364.26
illiteracy
public education 379.22
immigration limitations 325.154
political economy 339.1
suffrage limitations 324.173
Paupers
education of 371.9665
free colonies for sociol. 362.56

Paupers (cont.)
relief pauperism 339.16
sociology 362.5
Pauropoda zoology 595.64
Pavan dances 793.32
music form 781.50851
Pavements
city planning 711.723
landscape construction 713.71
road engineering 625.8
sanitary " 628.47
Pavilion
roofs archi. constr'n 721.592
towers architecture 725.975
Pavilions " 728.991
city planning 711.669
landscape art 717.682
Pavilly fowls (Gallinae)
agriculture 636.546
Pavlar sheep (Bovidae)
domestic animals 636.363
Pavlov fowls (Gallinae)
agriculture 636.571
Pavlov's method
comparative psychology 151.3072587
Pavo (Gallinae) agric. 636.595
Pawls mechanical eng. 621.837
Pawn shops architecture 725.248
Pawnbroking fin. econ. 332.33–.34
Pawnee co., Kan history 978.149
Neb " 978.2284
Okla " 976.626
Indian reservation
Neb hist. 978.2425
Pawtucket, RI history 974.53
Pay economics 331.2
office economy 651.38
Paybooks wages 331.211
Pay-day economics 331.211
Payette co., Ida history 979.624
nat'l forest, Ida
description 917.9676
Paymasters
dept military admin. 355.64
military science 355.34
Payment
kinds of wages 331.23
methods of " 331.211
orders for fin. credit 332.77
special lib. finances 025.113
Payne co., Okla history 976.634
Payrolls wages 331.211
Pea pickers agric. tools 631.3583
Ridge, Ark, battle
1862 US Civ. war 973.7323
Peabody grape vitic. 634.843209
Peace
and war ethics 172.4
palaces architecture 725.129
societies, int'l ethics 172.40621
treaties, *see* Treaties
Peach
county, Ga history 975.8556
leaf curl
(Protodiscineae) bot. 589.237
(Rosaceae) fruitcult. 634.25
Peacock
T L Eng. fict. 823.76
and
Epervier, ships
War of 1812 973.5255
Hornet, ships
War of 1812 973.5253
Peacocks
and landscape design 713.6
(Gallinae) agriculture 636.595
Peanut (Fabaceae)
field crops 633.36
garden " 635.659
nuciculture 634.58
Pear, hard (Oliniaceae)
botany 583.937
prickly
(Cactaceae) fruitcult. 634.7751
(Rosaceae) " 634.13
Pearl
fishery agriculture 639.412
River, China history 951.27
co., Miss. " 976.215
Peas (Fabaceae)
garden crops 635.656
harvesting 631.5563
Peasantry polit. econ. 331.763
soc. classes 323.33
Peasant's War, 1525–6
German history 943.031
Peat chemic technology 662.6
domestic heating 644.22
fiber wool
textile mfg 677.372
foundations archi. 721.11
geology, economic 553.21
mining 622.331
steam boiler fuels 621.18222

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Peat-moss (Sphagnales) bot. 588.1
Peacan (Juglandaceae) nucic. 634.521
Peccary (Dicotylidae)
mammalogy 599.7345
Pechihli, China history 951.15
Pecopteridcs botany 585.978
paleobotany 561.5978
Pecora mammalogy 599.7356
Pecquet, cistern of anat. 611.423
Pectin chemic technology 664.1
Pectineus anatomy 611.73823
Pectinibranchia zoology 594.329
Pectinidae (Lamellibranchiata) fishery 639.4
Pectoral glands anatomy 611.4675
region " 611.942
Pcctoralis muscles " 611.7351–2
Pedagogic
methods, special educ. 370.77
in specific fields
[2] see subject —077
psychology education 370.15
Pedagogics elem. schools 372.01
Pedagogy educ. methods 371
Pedal exercises
piano instruction 786.35
Pedaliaceae botany 583.85
Pedals motor vehicles 629.24445
Pedantry ethics 179.8
Pedata zoology 593.97
Peddie history 968.759
Peddling sales channels 658.843
Pedee section, SC hist. 975.78
Pedersen, Kristiern
Danish literature 839.81821
Pedestal mounts ordnance 623.4331
Pedestals
architectural design 729.328
columnar construction 721.38
garden furniture 717.9
Pedestrian traffic
city planning 711.74
Pedestrianism ethics 175.7
hygiene 613.72
sports 796.51
Pede-windows
architectural constr'n 721.845
Pediatrics medicine 618.92
Pediculidae entomology 595.7512
pathology 616.9681
Pedigrees genealogy 929.2
zootechny 636.0822
Pediment arches
architectural constr'n 721.422
Pediments
architectural design 729.37
door & window
column construction 721.8632
hood " 721.865
wall construction 721.28
Pedipalpi zoology 595.45
Pedobaptism sacraments 265.1
Pedogenesis biology 574.163
botany 581.163
physiology 612.6045
zoology 591.163
Pedology psychology 136.7
Pedro card games 795.41
Pedunculated bodies anat. 611.633
Peduncle floral " 581.46322
Peebles history 941.46
Peel co., Ont " 971.353
Peel-away
children's games 796.14
Peeling botanic ontogeny 581.135352
Peerage
heraldry 929.7
nobility, etc.
of Austria 929.736
Great Britain 929.72
Sweden 929.785
Peg solitaire games 794.5
Peganoideae
(Zygophyllaceae) bot. 583.221
Pegs, husking agric. 631.3613
Pehtaiho, China history 951.15
Peiping, " " 951.156
Pekin duck (Anseres) agric. 636.59785
Peking, China history 951.156
Pekins silk industry 677.4164
Pelagian doctrine of grace 234.112
Pelagianism heresies 273.5
Pelagic plants
vegetable ecology 581.526325
Pelargonium (Geraniaceae)
field crops 633.812
Pelasgic archi. styles 722.61
Pele towers architecture 725.976
Pelegry process phot. 772.12
Pelew islands history 996.6
Pelican
and Argus, ships
War of 1812 973.5253
state (La.) history 976.3
(Steganopodes) ornithol. 598.43
Pellagra pathology 616.39
Pellet process phot. 772.22
Pellicle processes " 772.15

Pellico, Silvio It. drama 852.72
Peloponnesian war Gk hist. 938.05
Peloponnesus hist., anc. 938.6
Pels, Andries Dutch drama 839.31242
Peltigeraceae botany 589.171
Pelton wheel mech. eng. 621.232
Peltry manufactures 675
Pelvic
bone anatomy 611.7181
joints " 611.7281
region " 611.96
sympathetic nerves
anatomy 611.8393
physiology 612.893
Pelvimetry obstetrics 618.52
Pelvis gynecology 618.13
surgery 617.56
Pelycosauria herpetology 598.1
paleozoology 568.1
Pemba history 967.815
Pembroke co., Wales " 942.99
Pemiscot co., Mo " 977.8996
Pen and ink drawing 741.26
Penaeaceae botany 583.934
Penal
[1] **codes criminal law 343.09**
colonies
criminal law 343.2
political science 325.312
prisons 365.35
institutions sociology 365
law 343
international 341.4
servitude prison syst. 365.22
Penalties
criminal law 343.2
public finance 336.18
school discipline 371.54
Penalty system
tariff treaties 337.91
Penance sacraments 265.6
Penates comp. religion 291.2134
Pencil
drawing fine arts 741.24
sharpeners
office fittings 651.4651
Pencils office supplies 651.4663
Pend Oreille
county, Wash history 979.721
Lake, Ida description 917.9696
national forest, Ida
description 917.9698
Pendentives
architectural design 729.348
dome construction 721.47
Pender co., NC history 975.625
Pendleton
city, Ore history 979.5691
civil service act, 1883
US history 973.84
county, Ky history 976.933
WVa " 975.491
Pendulum
apparatus geodesy 526.72
devices aircraft 629.13516
Foucault's astronomy 525.36
mechanics 531.53
operations geodesy 526.73
Pendulums
clock fine arts 739.38
clockwork 681.1124
control psychometry 152.8323
Penguin
and Hornet, ships
War of 1812 973.5257
(Pygopodes) ornithology 598.44
Penholders
office fittings 651.4653
Penial urethra anatomy 611.6233
Penieae botany 589.613
Peninsula war Eur. hist. 940.27
Sp. " 946.06
Peninsular campaign, 1862
US Civil war 973.7327
Penis anatomy 611.64
pathology 616.66
Penistone sheep (Bovidae)
domestic animals 636.3255
Penitence of St Dominic
Brothers of relig. ord. 271.2
Penitential music f. arts 783.27
Penitentiaries archi. 725.61
sociology 365.32
Penmanship elem. educ. 372.51
shorthand 653.152
writing meth. 652
Penn, Arthur, *pseud.*
American essays 814.44
plan city plats 711.413
Pennales (Naviculales) bot. 589.623
Pen-names bibliography 014
Pennants, adver. on bus. 659.137
Pennatae botany 589.623
Pennington co., Minn hist. 977.6965
Pennsylvania
Colonial society of 369.127
state history 974.8
see note under Virginia
system prisons 365.24

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Pennyroyal
(Labiatae) botany 583.891
region, Ky history 976.96
Penobscot
county, Me " 974.13
River, Me, exped., 1779
American revolution 973.3352
Penology criminal law 343.2
Penrose system
photographic diaphragms 771.354
Pens, fountain
office fittings 651.4653
steel
office supplies 651.4663
zootechny 636.0831-2
Pensacola, Fla history 975.9991
Pension funds labor econ. 331.17
Pensions
civil service 351.5
for mothers, widows and
orphans pub. relief 362.625
library economy 023.8
old age economics 331.252
retiring pub. relief 362.62
teachers' education 371.17
Penstocks sewerage eng. 628.257
Pentacyclic sympetalae
botany 583.6-.6864
Pentamera entomology 595.761
Pentaphylacaceae botany 583.278
Pentateuch
Bible 222.1
language of philology 492.5
Penthoraceae botany 583.39
Penthoroideae
(Crassulaceae) " 583.39
Pent house gardens
landscape art 712.6247
houses roof constr'n 721.578
Penthouse roofs
architectural constr'n 721.592
Pentose and nutrition
physiology 612.39619
Penury pauperism 339.1
Peonage polit. econ. 331.56
slavery 326.2
People's
palace
adult education, Eng. 374.9421
party US politics 329.84
university, library as 021.2
Peoria co., Ill history 977.352
Pepe, Crescentio, *pseud.*
Italian wit 857.51
Peperino geology, economic 553.58
Pepin co., Wis history 977.547
Peponiferae botany 583.46
Pepper
adulterations 614.314
cayenne (Solanaceae)
field crops 633.843
(Piperaceae) field crops 633.841
red (Solanaceae)
field crops 633.842
Pepper-box Peter, *pseud.*
American wit 817.22
Peppergrass (Brassicaceae)
garden crops 635.563
Pepperidge (Cornaceae) bot. 583.497
Peppermint (Labiatae) " 583.891
Peppertypes photography 773.2
Pepperworts
(Brassicaceae) bot. 583.123
(Marsiliaceae) " 587.3112
Pepsin
formation & destruction
in stomach physiol. 612.3232
in gastric juice physiology 612.3215
urine physiology 612.32321
pharmacy 615.35
therapeutics 615.7342
Peptic glands anatomy 611.333
Peptones
absorption in
intestines physiology 612.33274
stomach " 612.32274
and gastric digestion
physiology 612.32245
in urine physiology
pathologic 612.46668
physiology of nutrition 612.39817
urine 612.461264
Pequot war US history 973.22
Peranemataceae botany 589.9742
Percale cotton mfg 677.2164
Percent tube, testing
dairy industry 637.1276
Perception
and reproduction
psychol. of memory 154.3342
sensation psychol. 152.012
intuitive sensory
psychology 156.32
of stimuli
physiologic bot. 581.181
physiology of brain 612.8218
psychology 152.7
sensible psychology 152
time psychometry 152.834332
see also qualifying or specific terms

Perceptive
errors psychology 152.73
faculties phrenology 139.232
Perceval legend folklore 398.22
Perch (Acanthopterigii)
ichthyology 597.58
Percheron
draft horse
(Equidae) dom. anim. 636.1541
sheep
(Bovidae) " " 636.3445
Perchers (Insessores)
ornithology 598.8
Percloses fixed furniture 729.96
Percussion
caps chemic technology 662.4
ordnance 623.45421
diagnosis 616.0754
instruments
music 789.1–.6
semi-automatic mfg 681.834
Peremysl, *see* Przemysl
Perennials botany 582.114
floriculture 635.932
Pereskia aculeata
(Cactaceae) fruitcult. 634.7757
Pérez, Antonio
Spanish letters 866.32
Perfection
ethics 171.3
grape viticulture 634.84709
metaphysics 124
Perfectionists
sectarian history 289.9
Perforated metal sheets
manufactures 677.53
Perforating
cinematic films 778.58
machines
manufactures 681.6264
mechanical tools 621.95
office economy 651.26
telegraphs business 654.3
writing machines mfg 681.6132
Performance
aircraft construction 629.1345
equipment aircraft 629.1352
records shop manage. 658.532
tests psychology 151.23
schools 371.26
Perfumery
chemic technology 668.5
plants agriculture 633.81
economic botany 581.6485
Perfumery (cont.)
secretion botany 581.1442
toilet 646.7
Perfumes customs 391.6
Pergolas landscape art 717.682
Perianth floral anatomy 581.46324
Periapse church archi. 726.593
Pericardial artery anat. 611.1355
Pericardium " 611.11
Perichondrium histology 611.01834
physiology 612.754
Periclean archi. styles 722.8
Peridinales botany 589.973
Peridiniaceae " 589.97322
Peridotite petrology 552.38
Périer, C P presidency 944.08
Perier's marine engine
mechanical engineering 621.1221
Perigee astron., lunar 523.33
Périgord swine (Suidae)
domestic animals 636.445
Perilymph physiology 612.8586
psychology 152.286
Perineal region anatomy 611.96
Perineum
anatomy 611.353
obstetrics 618.44
pathology 618.55
Perineurium histology 611.018835
Peringskiöld, Johan
Swedish literature 839.7833
Period furniture f. arts 749
Periodic
law chemistry 541.9
spark system radio 621.3841535
Periodical clubs
self-education 374.22
Periodicals
general 050
journalism 070.48
library acquisition 025.2931
administration 025.1731
preservation 025.8
new, loan of lib. econ. 024.62
[1] **university & college** 378
in other specific fields
[2] see subject —05
Periodicity
and variation botany 581.15132
occult astrology 133.501
Periods school day 371.24
Periosteum
anatomy 611.76
dental surgery 617.63

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Periosteum (cont.)
histology 611.01844
pathology 616.71
physiology 612.754
Peripatetic philosophers 185
Periplocoideae
(Asclepiadaceae) bot. 583.73
Perishable goods, express
rates for railways 385.132384
Perisporiineae botany 589.2355
Perissodactyla mammalogy 599.72
Peristeria architecture 729.934
Peristyles wall constr'n 721.263
Peritoneum
admin. of medicines by
therapeutics 615.66
anatomy 611.381
pathology 616.38
physiology 612.339
Peritonitis obstetrics 618.73
Periuterine diseases
gynecology 618.13
Periwinkle
(Prosobranchia) fishery 639.4
Perjury criminal law 343
Perkinism therapeutics 615.856
Perkins
county, Neb history 978.288
grape viticulture 634.84709
Plain sect., Neb hist. 978.285
Perlidae entomology 595.735
Permeability of soil
agriculture 631.432
Permian languages 494.53
strata geology 551.75
Permits, teachers' educ. 371.133
Permutation arithmetic 511.5
Pernicious literature
library book selection 025.217
loan restrictions 024.674
Peronaeus brevis anatomy 611.73852
longus " 611.73851
tertius " 611.73846
Peroneal nerve
common anatomy 611.83581
deep " 611.83586
superficial " 611.83584
Péronne
European war, 1917 940.4314
1918, Mar. 940.4341
Sep. 940.4354
Peronosporales botany 589.252
Peros Banhos islands hist. 969.7
Perpetual
inventory bus. meth. 658.7874
office econ. 651.474
motion mechanics 531.8
Perquimans co., NC hist. 975.6144
Perrault, Charles
French fiction 843.47
Perrons archi. design 729.393
landscape art 717.88
Perrot burners
practical chemistry 542.44
Perry, M C, visit
Japanese history 952.02532
to Japan US " 973.66
Perry co., Ala history 976.144
Ark " 976.739
Ill " 977.393
Ind " 977.229
Ky " 976.917
Miss. " 976.2175
Mo " 977.8694
O " 977.159
Pa " 974.845
Tenn " 976.838
Persan grape viticulture 634.8544
Persea gratissima
(Lauraceae) fruitcult. 634.653
Persecutions, religious
church history 272
Perseoideae (Lauraceae) bot. 583.931
Perseveration
psychology of memory 154.3312
Persia
campaign Eur. w., 1915 940.4264
1916 940.4294
1917 940.4334
1918 940.4384
history 955
ancient 935.5
New kingdom hist., anc. 935.7
Persian
arches archi. constr'n 721.422
architectural styles
ancient 722.52
Mohammedan 723.33
goat (Bovidae) dom. anim. 636.3985
horses (Equidae) " " 636.11
kings, official lang. of 491.51
modern languages 491.55
old language 491.51
philosophers 181.5
sheep (Bovidae) dom. anim. 636.385
walnut (Juglandaceae)
nuciculture 634.511
wars Greek history 938.03
see also Iranian

Persiennes
architectural constr'n 721.873
Persimmon (Ebenaceae)
fruitculture 634.451–.452
Persius Flaccus, Aulus
Latin wit 877.4
Person
arrangement by
office files 651.531
county, NC history 975.657
legal private law 347.1
Personal
appearance costume 391
ethics 177.4
lib. staff 023.95
office econ. 651.445
toilet 646.7
coinage numismatics 737.47
credit fin. economics 332.743
equation
astron. corrections 522.97
machine astronomy 522.54
psychology 137
psychometry 152.830902
hygiene and crime
sociology 364.242
identity psychology 153.7
influence, teachers'
education 371.102
liberty private law 347.1
loan instit. fin. econ. 332.316
names genealogy 929.4
narratives
biography 920
European war, 1914–19 940.481–.482
pronouns Eng. etymol. 422.7
[3] other lang. —27
property
private law 347.3
taxation public fin. 336.23
security loans 332.745
self psychology 153.72
Personales botany 583.8
Personalism philosophy 141
Personality
and sex diff. psychol. 136.17
characterology 137
criminal psychology 364.34
cultivation of psychol. 137.5
development of " 153.72
dissociation medicine 616.8523
psychol. 132.1523
spiritism 133.90161
doctrinal theology 233.6
emergence of psychol. 153.72
Personality (cont.)
for teaching educ. 371.11
hereditary psychology 136.37
integration education 370.1
psychology 137.5
library staff 023.52
metaphysics 126
multiple spiritism 133.90161
psychol. of consciousness 153.7
psychopathic childstudy 136.76222
psychol. 132.22
secondary genius 151.162
tests psychology 137.8
traits
characterology 137.3
correlation of
psychol. measurements 151.2653
genius 151.124
Personation
electoral frauds 324.272
Personeal artery anatomy 611.13792
Personification
synesthetic psychology 152.777
Personnel
administration, in specific
[2] fields see subject —000363
dept labor economics 331.124
domestic economy 647.2
forest administration 634.92822
industrial management 658.3
motor vehicle mfg 629.2343
office economy 651.34
viewpoint, in specific
[2] fields see subject —007
Persons connected with
subject, in specific fields
[2] see subject —069
Persoonioideae (Proteales)
botany 583.932
Perspective
drawing 742
effect archi. design 729.15
geometry, descriptive 515.6
landscape art 712.26
linear
and visual perception
physiology 612.84372344
psychology 152.1372344
photography 770.282
plans architecture 729.21
projections cartography 526.81
reversible, illusion
physiology 612.84374152
psychology 152.1374152
Perspiration, *see* Sweat

Perspiratory agents
  therapeutics 615.743
Persuasion
  logic 168
  personal advertizing 659.115
Perth co., Ont history 971.323
  Scot. " 941.32
Perticari, Giulio
  Italian essays 854.68
Perturbations
  astronomy 521.4
    terrestrial 525.34
  radio receivers 621.38413613
Pertusariaceae botany 589.171
Peru history 985
Peruvian archi. styles
  pre-Columbian 722.913
Perversions, sexual
  prison hygiene 365.664
  psychology 132.754
Perverted children, care of
  sociology 362.74
Pes pedunculi anatomy 611.81542
Pescadores
  China Sea history 952.978
  Marshall Islands " 996.8
Peshito Bible 220.43
[4] **language of** 492.3
Peso, Lucius M, *pseud.*
  American fiction 813.25
Pessimism philosophy 149.6
Pestalozzian syst. educ. 371.44
Pesthouses sociology 362.11
Pestifuge
  agriculture 632.9
  biological collecting 579.82
  domestic economy 648.7
  museum " 069.44
Pestilences
[1] **hist. of pub. health** 614.49
  public health 614.5
Pestles chem. apparatus 542.22
Pests
  agricultural 632
    economic botany 581.69
      zoology 591.69
  enemies of agriculture 632.96
  floriculture 635.92
  forestry 634.96
  protection from
    agriculture 632.9
    biological collecting 579.81
    domestic economy 648.7
  viticulture 634.82
Pet
  birds aviculture 636.68
  dogs (Canidae)
    domestic animals 636.76
Petals flora anatomy 581.4632432
Petards ordnance 623.45434
Peter
  Saint, epistles of 227.92–.93
    See of, *see*
      Holy See
  the Great
      Russian history 947.05
    Hermit
      Crusades 940.181
Peterborough co., Ont
  history 971.367
Peters, S A American wit 817.15
Petersburg, Va
  battle, 1864
    June 9 US Civ. war 973.7365
      15–18 " " " 973.7373
  history 975.5581
Petersen, N M Dan. essays 839.81461
Petiole leaf anatomy 581.49723
Petit, canal of anatomy 611.8447
    Jean state park, Ark.
      description 917.6731
Petition
  control over admin. 351.97
  legislative procedure 328.372
  right of polit. science 323.48
  suffrage 324.243
Petrarca, Francesco
  Italian poetry 851.18
Petrel (Longipennes)
  ornithology 598.42
Petri
  Laurentius Swed. poet. 839.7122
  Olavus " " 839.7121
Petrifaction paleontology 560
Petroglyphs archeology 571.73
Petrograd history 947.4
Petrography, microscopic 552.8
  see also Petrology
Petroleum
  boilers locomotive eng. 621.1331
  chemic technology 665.5
  extraction mining 622.338
  geology, economic 553.28
  heating prac. chem. 542.43
  military resources 355.24
  mineralogy 549.8
  painting solvent 751.247

Petroleum (cont.)
products economics 338.2728
steam boiler fuels 621.18223
Petrology geology 552
Petronius Arbiter, Caius
Latin wit 877.5
Petrosal nerve, great
superficial anatomy 611.8315
physiology 612.8195
see also Facial nerve
Petroselinum hortense (Apiaceae) garden crops 635.78
Petrous ganglion anatomy 611.8919
Petticoat mosses (Splachnineae) botany 588.21441
Pettis co., Mo history 977.848
Petty schools elem. educ. 372.241
Peutingerian table antiq. 913.37
Peverella grape vitic. 634.85436
Pew rents cleric support 254
Pews architecture 729.935
Pewter coinage metals 332.418
work fine arts 739.533
Peyer's patches anatomy 611.3413
Peyritschiellaceae bot. 589.232
Pezizineae " 589.2332
Pfaffe Amis, Der Ger. wit 837.21
Pfalz, *see* Palatinate
Pfeiffer, Charlotte Birch
German drama 832.74
Phacidiineae botany 589.2335
Phacotaceae " 589.47534
Phaedrus Latin poetry 871.6
Phaeocapsales botany 589.97443
Phaeophyceae " 589.45
Phaeosporeae " 589.453
Phaeothamnionaceae " 589.97453
Phaeozoosporineae " 589.453
Phagedena pathology 616.941
Phagocytosis physiology 612.1123
Phalangeal joints anat. 611.7279
Phalanges, manual " 611.7179
pedal " 611.7189
Phalangida zoology 595.43
Phalansteriaceae botany 589.9746
Phalansterianism socialism 335.32
Phalarideae botany 584.932
grass crops 633.284
Phalaris Greek letters 886.3
Phallicism comp. relig. 291.212
Phallineae botany 589.2215
Phanerogamia " 582
paleobotany 561.2
Phansigars comp. relig. 299.11
Phant—, *see* Fant—
Pharmaceutic
aid welfare work 361.1
botany 581.634
zoology 591.63
Pharmaceutics medicine 615
zootechny 636.0895
Pharmacists, registration of
public health 614.24
Pharmacology medicine 615.1
Pharmacopeias " 615.11
Pharmacy " 615.4
Pharyngeal artery anat. 611.13324
nerves " 611.831914
Pharyngobranchii fishes 597.1
Pharyngognathi " 597.57
Pharyngopalatinus anat. 611.73276
Pharynx " 611.321
muscles " 611.73278
pathology 616.32
physiology 612.2154
Phase
changing transformers
elec. engineering 621.31434
converters
asynchronous elec. eng. 621.31368
synchronous " " 621.31354
difference
radio materials 621.3841791
measurements 621.384174
meters electric eng. 621.37491
rule chemistry 541.39
Phaseoleae (Fabaceae)
field crops 633.379
garden " 635.652–.653
Phases, lunar astronomy 523.32
Phasianus (Gallinae) agric. 636.594
Phasmidae entomology 595.724
Pheasant (Gallinae) agric. 636.594
Phedo philosophy 183.7
Phelps co., Mo history 977.8594
Neb " 978.239
Phenakistoscopes phot. 778.52
Phenanthrene org. chem. 547.28
Pheng-hu history 952.978
Phenicia history, anc. 939.44
Phenician archi. styles 722.31
" language 492.6
philosophers 181.8
Phenix
dactylifera (Palmaceae)
fruitculture 634.62
folklore 398.4
fowls (Gallinae) agric. 636.5857
see also Phoenix

Phenolmethylene radio insulating material 621.38417910196
Phenology botany 581.543
Phenols org. chemistry 547.3
Phenomenalism
epi- psychology 130.16323
ontology 111.31
philosophic systems 142
Phenotypes biology 575.125
Pherosphaeroideae botany 585.223
Pherson, *pseud.*
American oratory 815.21
Phi Beta Kappa
student societies 371.852
Philadelphia, city, Pa
and county history 974.811
capture Amer. revol. 973.3337
evacuation " " 973.3343
Philae history 962.36
Philander von Sittewald
pseud. German wit 837.51
Philanthropists 360.69
[1] **biography** 923.6
Philanthropy ethics 177.7
sociology 361
Philately postage stamps 383.22
Philemon, epistle to 227.86
Philharmonic soc. music 780.6
Philip German history 943.025
1 French " 944.022
2 " " 944.023
3 " " 944.024
4 " " 944.024
5 " " 944.024
6 " " 944.025
see also Felipe
Philip Island history 994.8
Philippians, epistle to 227.6
Philippine
islands
acquired, 1898
US history 973.891
history 991.4
languages 499.211
sisal (Amaryllidaceae)
fiber crops 633.5773
Philippolis history 968.59
Philipstown " 968.7675
Philistines hist., anc. 939.45
Phillips, Wendell
American oratory 815.34
Phillips
code telegraphy 621.382154
Phillips (cont.)
county, Ark history 976.788
Colo " 978.877
Kan " 978.117
Philo Judaeus philos. 181.3
of Larissa " 186.4
Philologists 406.9
biography 924
Philology 400
[4] **classic** 480
comparative 410
Philoprogenitiveness
biology 575.36
phrenology 139.222
zoology 591.56
Philosopher's stone alchemy 540.1
Philosophers 106.9
ancient 180
biography 921
medieval 189
modern 190
oriental 181
patristic 189.2
Philosophic
classification of
knowledge metaphysics 112
doctrine & systems 140
socialism polit. econ. 335.1
Philosophy 100
mental psychology 150
natural physics 530
[2] of subject, see subject —01
patristic 189.2
see also qualifying or specific terms
Philters sorcery 133.44
Philydrineae botany 584.35
Phimosis anatomy 611.642
surgery 617.46
Phlebitis obstetrics 618.77
pathology 616.14
Phlebogram physiology 612.1342
Phlegmasia dolens
obstetrics 618.77
Phlegmatic type
personality 137.42
Phleum pratense (Agrostideae) field crops 633.24
Phloem veget. morphology 581.4134
Phlogiston chemistry 540.1
Phlorizin
and nutrition physiol. 612.396175
physiology of urine 612.4644

Phlox (Polemoniaceae)
botany 583.7611
Phobias medicine 616.8522
psychology 132.1522
Phocidae mammalogy 599.748
Phocis history, ancient 938.3
Phoebe, ship War of 1812 973.5255
Phoenicales botany 584.5
Phoenix, Ariz history 979.1
see also Phe —
Phonetic
shorthand 653.7
alphabetic 653.67
spelling English lang. 421.4
other " —14
Phonetics
and phonics elem. educ. 372.4
philology 414
shorthand 653.11
Phonisms psychology 152.772
Phonograph
acoustics 534.86
advertizing devices 659.14
educational methods 371.333
manufactures 681.8432
music 789.9
receiving sets radio 621.384136642
recorder radio 621.3841365
Phonographic
institute, Cincinnati
shorthand 653.722
records
library acquisition 025.298
administration 025.178
preservation 025.8
Phonography shorthand 653.7
Phonolite petrology 552.26
Phonology philology 414
Phonoscribing 653.2
Phormium tenax (Liliaceae)
cordage mfg 677.71
field crops 633.572
Phoronis zoology 595.176
Phosphate printing phot. 772.19
Phosphates fertilizers 631.85
geol., economic 553.64
mineralogy 549.72
Phosphorated albuminoids
physiology of nutrition 612.398136
Phosphorescence
optics 535.3
physiologic botany 581.12135
physiology 612.014445
Phosphorescent
animals physiology 612.772
photography fine arts 778.8
Phosphoric acid
fertilizers 631.85
Phosphorus
and nutrition physiol. 612.39244
assimilation botany 581.133544
chemistry 546.18
compounds and pollution
public health 614.728
in urine physiology 612.46162
pharmacology 615.218
toxicology 615.924
Photeolic movements bot. 581.18332
Photinia japonica (Rosaceae) fruitculture 634.16
Photisms psychology 152.771
Photo-
algraphy fine arts 776
aluminography " " 776
anamorphoscopes " " 778.8
aquarelles
photography 777.18
photolithography 775.8
aquatints
photographic, process 777.1
photography 773.122
autocopyist processes
fine arts 774.1
autography
chromolithographic
fine arts 775.8
fine arts 778.12
telegraphy 621.3827
ceramics fine arts 738.15
photography 773.6
chemistry fine arts 771.5
science 541.35
chromatic
printing fine arts 773.53
processes " " 778.6
chromes fine arts 775.8
chromolithography
fine arts 775.8
chromometalography
fine arts 776.8
chromoscopes fine arts 778.65
chronography " " 778.52
collotypes " " 774.1
corrector " " 778.1
dyeing " " 773.53

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Photo- (cont.)
electric cells
electric engineering 621.353
electricity 537.53
electricity optics 535.2
electrotyping f. arts 777.4
engraving
cameras phot. 771.317
fine arts **777**
esthesimeters
psychophysics 152.8241
etching fine arts **777**
filigranes " " 777.6
galvanography " " 777.4
glyphic engr. " " 777.1
glyptography " " 777.1
grammetry " " 778.38
surveying 526.91
granulotypes f. arts 776.7
gravure processes phot. 777.1
hyalography fine arts 777.1
intaglio processes phot. 777.1
jumelles fine arts 771.315
lithography " " **775**
lithophanes " " 777.6
mechanical
cameras " " 771.317
engraving " " **777**
printing
apparatus fine arts 771.8
presses mfg 681.6253
typography 655.31
rooms fine arts 771.28
processes f. arts **774–777**
metallography " " **776**
mezzotints " " 773.122
mezzotypes " " 774.7
micrography
cinematic f. arts 778.56
fine arts **778.31**
nastic movements bot. 581.18332
plastography f. arts 777.5
plays recreation **792**
scenario writing 808.2
see also Moving pictures
polygraphy fine arts 773.3
prints " " **774**
relief processes " " 777.2
sculpture " " 777.7
stereotypes " " 777.5
surveying " " 778.38
synthesis physiol. bot. 581.13342
telegraphy elec. eng. 621.3827
f. arts 778.12
signals 654.9

Photo- (cont.)
therapy 615.831
tincture processes
fine arts 773.53
tints, collotype
fine arts 774.7
topogravure f. arts 778.38
tropism botany 581.183242
mesology 612.014447
types fine arts 774.1
typography " " 777.2
verrotype process " " 774.1
xylography " " 777.8
zincography " " **776**
zincotypes " " 777.1
Photogenic drawing phot. 772.12
Photoglyptie process " " 777.5
Photograph
albums fine arts 771.46
boxes " " 771.46
exhibition furniture
fine arts 771.46
exhibitions fine arts 770.2866
producing apparatus
manufactures 681.133
transmitters mfg 681.632
Photographers 770.69
biography 927.7
Photographic
apparatus preparation 770.2815
baths fine arts **771.54**
desnity " " 771.5345
diagnosis pathology 616.0757
emulsions fine arts 771.543
equipment aircraft 629.1356
explorations " 629.13857
furniture & fittings **771.2**
laboratory utensils 771.47
materials
fine arts **771**
recovery of f. arts 770.287
meth. transits of Venus 523.95
optics fine arts 770.1535
premises " " **771.1**
processes " " **772–778**
projection " " **778.2**
recorder radio 621.3841365
studios 771.12
portable 771.25
technic fine arts **770.28**
Photographs
advertizing on business 659.137
astronomic, *see* Astronomic
charts, maps, etc.
burned-in fine arts 773.6

Photographs (cont.)
collections fine arts 779
in specific fields
[2] see subject —084
deterioration & care of fine arts 770.286
drawing from f. arts 741.42
in relief " " 777.7
library acquisition 025.297
administration 025.177
cases for 022.486
preservation 025.8
mental phrenology 139
on wood fine arts 777.8
transmission of elec. engineering 621.388
treatment of f. arts 770.284
see also Prints, photographic
Photography
amateur fine arts 770.69
and climate " " 778.75
science " " 778.3
applied " " 778
astronomy 522.63
fine arts 770
library catalog card duplication 025.3
military engineering 623.72
optics 535.85
psychic spiritism 133.923
stenopaic fine arts 771.3192
wind aeronautics 629.1307253
zoologic hunting sport 799.28
Photometers
manufactures 681.415
photographic focusing 771.37
sensitometry 771.5345
Photometric
constant fine arts 771.5345
observations of stars astronomy 523.82
Photometry
astronomy 522.62
fine arts 771.5345
optics 535.2
visual physiology 612.84361
psychology 152.1361
Photophane process
fine arts 774.1
Photostat
cameras fine arts 771.318
library economy 025.129
Photostats mech. drawing 744.533
Phototegie fine arts 770.2853
Phrase books Eng. lang. 428.2
[3] other " —82
Phrasing music 781.633
Phrenic
arteries
inferior anatomy 611.1361
superior " 611.1345
nerve anatomy 611.83336
physiology 612.819941
plexus anatomy 611.8393
veins " 611.1465
Phrenologists biography 920.9139
Phrenology
characterology 139
Phrygia history, anc. 939.26
Phrymaceae botany 583.873
Phthisis, *see* Tuberculosis
Phycobacteriaceae botany 589.953
Phycochromaceae " 589.8
Phycolichenes (Heterosiphonales) botany 589.482
Phycomycetes botany 589.25
Phylactolaemata zoology 594.72
Phyllanthoideae (Tricoccae) botany 583.951
Phyllanthus distichus (Euphorbiaceae) fruitculture 634.666
Phyllite petrology 552.44
Phyllocladaceae botany 585.224
Phylloclades stem morphol. 581.49562
Phyllodes leaf " 581.4976
Phylloerythrin
physiology 612.1119
secretion botany 581.14444
Phyllogoniaceae botany 588.21531
Phyllomes veget. morphol. 581.497
Phyllophoraceae (Gigartinales) botany 589.414
Phyllopoda zoology 595.32
Phyllopsoraceae botany 589.171
Phyllopyreniaceae " 589.16
Phyllosiphonaceae " 589.4724
Phyllotaxy leaf morphol. 581.4975
Phylloxera
(Aphidae) agric. pests 632.7525
resistant grapes vitic. 634.83672
Phylogeny biology 575
botany 581.38
zoology 591.3
Physalis (Solanaceae)
garden crops 635.647
Physaraceae botany 589.2932
Physciaceae " 589.171
Physical
and vital phenomena biology 577.3
capacity of women educ. 376.1

Physical (cont.)
conditions demography 312.6
crystallography 548.8
culture, *see*
Physical training
defectives, education of 371.91
defects anatomy 611.012
hyg. of progeny 613.91
school hyg. 371.71
somatology 573.9
surgery 617.3
disabilities
immig. limitations 325.154
education hygiene 613.7
environment and crime
sociology 364.22
examination of
recruits mil. sci. 355.22
workmen economics 331.822
geography 551
and tactics mil. sci. 355.423
overstrain hygiene 613.73
requirements avigation 629.132562–563
sciences 500
structure & conditions
influence of psychol. 136.6
surveys aircraft 629.138553
telepathy psychology 133.8222
theory music 781.1
training
hygiene 613.71–.73
prison schools 365.662
school hygiene 371.7
sports 796.07
YMCA 267.355
traits personality 137.31
units science 530.83
welfare school hyg. 371.7
Physicians 616.069
biography 926.16
ethics 174.2
registration of
public health 614.24
Physicists 530.69
biography 925.3
Physicobiologic theory of
life biology 577.214
Physicochemic forces
mesology 612.014462
Physicochemistry 541.3
Physics 530
agricultural agronomy 630.23
and chemistry 541.3
celestial astronomy 521
lunar " 523.36
Physics (cont.)
molecular 539
of soil agriculture 631.43
solar astronomy 523.7
stellar " 523.8
Physiocracy polit. econ. 330.152
Physiognomy
characterology 138
criminal sociology 364.333
formational veget. ecol. 581.5261
Physiographic
factors forest ecology 634.9472
surveys aircraft 629.1385551
Physiography 551
and migration
political science 325.13
Physiologic
biology 574
chemistry biology 574.19
botany 581.19
physiology 612.015
zoology 591.19
correlation of variation
botany 581.151242
diagnosis criminology 364.3018
experiments on
executed persons med. 612.0132
surviving organs " 612.0138
optics physics 535.7
phrenology psychology 139.4
psychology 131
traits personality 137.312
variation botany 581.1512
zoology 591
Physiologists 612.069
biography 926.12
Physiology 612
and crime sociology 364.242
animal 591.1
zootechny 636.0892
cellular, comp. botany 581.878
medicine 612.014
comparative 612.019
biology 574.1
botany 581.1
zoology 591.1
mental psychology 131
of bees apiculture 638.1212
music 781.1
vegetable 581.1
Physiotypes photography 773.7
Physostomi ichthyology 597.55
Phytoflagellatae botany 589.974
[1] Phytogeography " 581.9
Phytography botany 580
paleobotany 561

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Phytolaccineae botany 583.915
Phytomyxinae " 589.285
Phytophaga entomology 595.793
Phytophthires " 595.7522
Phytopsychology 151.4
Phytosarcodina botany 589.29
Pia mater, cranial anat. 611.8191
spinal " 611.8291
Pianistas manufactures 681.831
music 789.9
Pianists biography 927.862
Piano
and organ music 786.88
instruction music 786.3
keyboard instrument 786.2
manufacture music 786.23
mechanical manufactures 681.823
music 789.9
music 786.4
rolls library acquis. 025.298
admin. 025.178
preservation 025.8
Pianola manufactures 681.831
music 789.9
Piatt co., Ill history 977.367
Piave River
Eur. w., 1917 940.4324
1918 940.4372
air raids 940.448
Picard, L B Fr. drama 842.67
Picardy
battle Eur. w., 1918
March 21–May 26 940.4341–2
July 8–11 940.4344
history 944.26
Picaresque novel
Spanish fiction 863.3
Picariae (Insessores)
ornithology 598.89
Piccolo wood instrument 788.5
Piccolomini, Alessandro
Italian essays 854.42
Picea (Pinaceae) forestry 634.9752
Picenum history, ancient 937.4
Picidae ornithology 598.72
Pick mining 622.21
Pickaway co., O history 977.1815
Pickax farm tools 631.3116
Pickens co., Ala hist. 976.185
Ga " 975.8255
Pickerel-weed (Pontederiaceae) botany 584.34
Pickering co., Miss.
history 976.228
Pickers
for maize agric. 631.3553
special crops " 631.358
textile equipment 677.02851
Picketing labor disputes 331.891
Pickett co., Tenn hist. 976.8687
Picking agriculture 631.556
textile process 677.02821
see also special fibers
Pickle flavorings
garden crops 635.74
Picnic lunches dom. econ. 642.3
Picpoul grape viticulture 634.8544
Picramnioideae (Simarubaceae) botany 583.241
Picton co., NS history 971.613
Pictorial
arts 700
advertizing copy 659.1323
ecclesiology 246.7
compositions lands. art 712.28
map making drawing 744.428
Picts ancient history 936
Scottish " 941.01
Picture
book group
children's libraries 027.626
completion tests
psychology 151.23
galleries fine arts 750.74
see also Art museums
gallery furnishing
domestic economy 645.69
language philology 419.2
Picture-plane
drawing perspective 742.1
Pictures
artistic furniture 749.73
collections of, in specific
[2] fields see subject —084
domestic economy 645.5
educational methods 371.3352
engravings 769
library acquisition 025.297
administration 025.177
preservation 025.8
office economy 651.242
paintings 758.9
school buildings 371.636
transfer arts & crafts 745.7
transmission of
elec. engineering 621.388
Picturesqueness esthetics 701.17
Piecework wages 331.23
convict labor 365.65

Piedmont
counties, NC history 975.65
Italy history 945.1
plateau, SC history 975.71
region Ala " 976.151
Ga " 975.84
Piedroits archi. constr'n 721.372
Pieplant (Polygonaceae)
garden crops 635.48
Pier bldgs architecture 725.34
Pierce, Franklin, pres.
US history 973.66
Pierce co., Ga history 975.879
Neb " 978.256
Wash " 979.778
Wis " 977.542
Pierpont, John Amer. poet. 811.26
Pierre, city, SD history 978.3
Plains, Neb " 978.299
Pierre's Hole Mts, Ida
history 979.654
Piers
architectural constr'n 721.372
design 729.322
bridge engineering 624.16
carpentry 694.4
city planning 711.764
harbor engineering 627.3
suspension bridge eng. 624.56
Pietermaritzburg division
Natal history 968.45
Pietersburg history 968.26
Pietism heresies 273.7
Pietretief history 968.24
Piety prac. religion 240
Piezoelectric
oscillators radio 621.3841311
receivers " 621.384136628
standards " 621.3841715
Pigeon
(Columbae) agriculture 636.596
grape viticulture 634.8451
lofts architecture 728.945
plum (Polygonaceae)
fruitculture 634.665
service mil. sci. 355.424
Pigeonholes office files 651.542
temporary 651.57
Piggeries architecture 728.944
landscape art 717.65
Pigment
histology 611.01829
Pigment (cont.)
processes
oil photography 773.8
photoceramics 773.6
photography 773.1
Pigmentary changes pathol. 616.55
secretion bot. 581.1444
Pigments
biliary
origin of physiol. 612.35733
physiology 612.35713
chemic technology 667.6
cutaneous anatomy 611.7785
physiology 612.796
drawing equipment 741.3
eye anatomy 611.8423
fine arts 751.23
photography 771.45
physiol. chemistry 612.0154
state inspection 614.37
urinary physiology 612.46127
vegetable cytology 581.8743
Pigmies, *see* Dwarfs, Gnomes
Pigmoil processes phot. 773.8
Pignut
(Apiaceae) botany 583.481
(Araliaceae) " 583.491
(Juglandaceae) nucic. 634.524
(Tricoccae) botany 583.951
Pigs (Suidae)
diseases of vet. med. 619.4
domestic animals 636.4
Pigweed
(Amarantaceae) botany 583.9131
(Chenopodiaceae) " 583.914
Pike
county, Ala history 976.135
Ark " 976.7485
Ga " 975.845
Ill " 977.345
Ind " 977.236
Ky " 976.923
Miss. " 976.223
Mo " 977.836
O " 977.1847
Pa " 974.824
national forest, Colo
description 917.8859
Pikes Peak, Colo descr. 917.8856
Pilacraceae botany 589.2231
Pilas architecture 729.913

Pilasters
architectural constr'n 721.372
design 729.322
carved archi. dec. 729.572
door & window constr'n 721.8632
painted archi. dec. 729.472
Pilastrades archi. design 729.327
wall constr'n 721.263
Pile
foundations archi. 721.14
bridge eng. 624.154
method architecture 721.15
Piledriving foundations
architecture 721.151
bridge engineering 624.1551
Piles forest products 634.9835
pathology 616.35
Pilgrimages, religious
personal religion 248
Piliferous layers
vegetable morphology 581.4781
Piling landscape art 717.74
Pillarets archi. constr'n 721.372
Pillars advertizing 659.134
archi. constr'n 721.372
mot. veh. body 629.2623
Pillow, Fort, Tenn, capture
1864 US Civil war 973.7361
Pillows art. furniture 749.37
dom. economy 645.47
Pilocarpaceae botany 589.171
Pilocarpin
and perspiration
physiology 612.7924
salivary glands
physiology 612.31342
urine physiol. 612.761
diaphoretics 615.743
diuretics 615.761
Pilot
automatic aircraft 629.13512
clothing " 629.1357
guides avigation 629.13254
laws jurisprudence 347.4
locomotive engineering 621.139
Pilotage transport bus. 656
Piloting avigation 629.1325
Pilotrichaceae botany 588.21521
Pilots, air pub. health 614.86
sea " " 614.866
Pimenta officinalis (Myrtaceae) field crops 633.831
Pimpernel
(Primulaceae) botany 583.672
(Umbelliferae) " 583.481
Pimpinella anisum (Apiaceae)
garden crops 635.75
Pinaceae botany 585.213
Pinachromy photography 773.7
Pinales botany 585.2
Pinatypes photography 773.3
Pincers, weeding farming 631.3154
Pinching in pruning agric. 631.54221
Pindar, Peter, *pseud.*
English wit 827.65
Pindarus Gk lyric poet. 884.5
Pindemonte, Ippolito
Italian poetry 851.63
Pine
belt, central, Ala hist. 976.18
upper, SC " 975.76
Bluff, Ark " 976.7791
Butte, Neb " 978.299
chips textile mfg 677.546
county, Minn history 977.662
hills, Ala " 976.12
Mts, Ky. description 917.6912
needle essence textile
by-product 677.3718
wool textile mfg 677.371
needles forest products 634.9891
Ridge, Neb history 978.293
strawberry (Rosaceae)
fruitculture 634.751
Pineal body anatomy 611.8145
Pineapple
(Bromeliaceae) fruitc. 634.774
fibers cordage mfg 677.71
field crops 633.576
squash (Cucurbitaceae)
garden crops 635.621
Pinellas co., Fla hist. 975.963
Pines
ground- (Lycopodiaceae)
botany 587.922
(Pinaceae) forestry 634.9751
screw- (Pandanaceae)
botany 584.611
Pinetree state (Me) hist. 974.1
Pine-weevil (Tetramera)
entomology 595.768
Pinewood grape vitic. 634.8455
Piney woods region, Ala
history 976.123
Ping-pong halls archi. 725.84
recreation 794.7
Pinguiculaceae (Lentibulariaceae) botany 583.825
Pinhole cameras phot. 771.3192

Pink family (Caryophyllaceae) botany 583.152
Pinkiang, Manchuria hist. 951.88
Pinks (Silenoideae) bot. 583.153
Pinkster (Ericaceae) " 583.62
Pinna ear anatomy 611.858
Pinnacles roof constr'n 721.575
Pinnipedia mammalogy 599.745
Pinocle card games 795.41
Pinot grape viticulture 634.8544
Pins electric lines 621.319224
mot. veh. engine 629.2523
office fittings 651.4652
Pintle block, circular
gun mounts 623.435
Pintner performance test
psychology 151.22223
Pinworm (Nematoda) zool. 595.13
Pinxter (Ericaceae) bot. 583.62
Pioneering tools
military engineering 623.62
equipment 355.84
[1] **Pioneers biography** 923.9
cavalry 357.16
military eng. 358.2
Pipefish (Lophobranchii)
ichthyology 597.53
Piperales botany 583.925
Pipes
and piping
for high pressure
hydraulic eng. 621.253
heating & ventilation 697
hydraulics 532.54–.55
mech. engineering 621.8672
on bldgs
sewer ventilation 628.234
plumbing 696
pneumatic engineering 621.532
refrigeration 621.566
sewerage engineering 628.22
steam " 621.185
strength of " 620.11283
underground road eng. 625.78
voltaic cells 621.3525
waterworks 628.15
city planning 711.82
landscape construction 713.8
lubricating mot. veh. 629.25553
neolithic archeology 571.26
smoking manufactures 679
Pipestone co., Minn hist. 977.626
Pipethreading machines
mechanical tools 621.944
Pipets
for gases prac. chem. 542.73
liquids " " 542.66
gas absorption
volumetric analysis 545.7
graduated prac. chem. 542.35
Pipewort (Eriocaulaceae)
botany 584.811
Piping, *see* Pipes and piping
Pipsissewa (Pyrolaceae)
botany 583.631
Piptocephalidaceae bot. 589.281
Piqua, O history 977.1481
Piquet card games 795.41
Piquetberg history 968.725
Piracy criminal law 343
hist. of trav. 910.4
int'l law 341.4
Pirates biography 923.41
Piriformis anatomy 611.73816
Piron, Alexis Fr. drama 842.55
Pisa, Guido da It. fict. 853.13
history 945.5
Pisan, Christine de
French fiction 843.21
Piscataquis co., Me hist. 974.125
Pisces occult astrology 133.522
zoology 597
Pisciculture
fishing industry 639.3
Piscinas architecture 729.914
Pisé bldg construction 693
walls architecture 721.23
Pisgah nat'l forest descr. 917.568
Pisidia hist., ancient 939.27
Pisiform anatomy 611.71774
Pistachio (Anacardiaceae)
nuciculture 634.574
Pistils floral anatomy 581.463253
Pistoia, Cino da It. poet. 851.16
Pistols fine arts 739.74
ordnance 623.443
Piston blowers mech. eng. 621.61
pumps " " 621.652
Pistons
locomotive steam eng. 621.1341
mechanical engineering 621.84
motor vehicle engine 629.2523
Pisum sativum (Fabaceae)
garden crops 635.656
Pit dwellings archeology 571.82
Pita fibers (Amaryllidaceae)
field crops 633.5772

Pitanga (Myrtaceae)
fruitculture 634.423
Pitcairn island history 997
Pitch
acoustics 534.3
card games 795.41
complexity physiology 612.8587513
psychology 152.287513
music 781.22
perception music educ. 780.77
physiology 612.8587422
psychology 152.287422
Pitch-and-toss games 796.24
Pitched roofs
double archi. constr'n 721.58
single " " 721.592
Pitcherplant
Australian (Cephalotaceae)
botany 583.391
(Nepenthaceae) botany 583.9221
(Sarraceniales) " 583.121
Pitchers pottery 738.38
Pitchforks agriculture 631.3535
Pitching games recrea. 796.24
Pitchstone petrology 552.23
Pith stem anatomy 581.49532
Pitheciinae mammalogy 599.82
Pitillas, Jorge, *pseud.*
Spanish wit 867.41
Pitkin co., Colo history 978.843
Pitmanic
adaptations, unorthodox
shorthand 653.728
shorthand, English 653.42
systems 653.72
Pits, inspection, railway
architecture 725.33
Pitt, William
1708–1778 Eng. oratory 825.61
1759–1806 " " 825.66
Pitt county, NC history 975.644
Pittosporaceae botany 583.141
Pittsburg
city, Kan history 978.1981
county, Okla " 976.675
Landing, Tenn, battle, 1862
US Civil war 973.7326
Pittsburgh, Pa history 974.886
Pittsylvania co., Va " 975.5665
Pituitary body anatomy 611.8143
gland physiol. 612.492
membrane anat. 611.21
Pityaceae botany 585.52
paleobotany 561.552
Pius 4, creed of
doc. theology 238.2
10, syllabus of
church & state 261.75
Pivot bridges engineering 624.83
joint anatomy 611.72965
mounts ordnance 623.4331
Pivoted
doors archi. constr'n 721.836
windows " " 721.846
Pivots
door & window constr'n 721.891
gun mounts 623.435
Pixing numismatics 737.44
Pizarro, Francisco
American history 973.16
Pizzighelli process
ferroprussiate phot. 772.22
platinum " 772.312
Placards advertizing 659.134
Placenta
embryology 611.01385
pathology 618.36
removal of obstetrics 618.87
retention of " 618.56
Placentalia mammalogy 599.3
Placer co., Calif. hist. 979.438
mining 622.32
Placers geol., economic 553.13
Places
names of genealogy 929.4
viewpoint, in specific
[2] fields see subject —006
Placing ads business 659.1327–8
Placoderm desmids botany 589.613
Placoidei (Elasmobranchii)
ichthyology 597.3
paleozoology 567.3
Plade, Peder Dan. lit. 839.81824
Plagiarism ethics 174.7
lit. methods 029.6
Plagiostomi ichthyology 597.31
Plagiotheciaceae botany 588.21511
Plague pathology 616.923
Plagues
animal vet. med. 619
zootechny 636.0896
[1] **hist. of pub. health 614.49**
public health 614.5
welfare work 361.5
Plain song sacred music 783.25
Plains
cities civic arts 711.421
landscape ground forms 713.5
lunar astronomy 523.34

Plains (cont.)
physiography 551.45
Plaiting fibers
field crops 633.58
textile manufactures 677.54
Plakopodaceae (Myxomycetes) botany 589.29
Plan, general, of subject,
[2] see subject —011
Planche, Gustave
French essays 844.73
Planchet spiritism 133.93
Planchonioideae (Lecythidaceae) botany 583.423
Plane
loci geom., analytic 516.1
of orbit in space
astronomy 521.21
perspective drawing 742.2
geom., descr. 515.61
table photography 771.316
surveying 526.96
tree (Platanaceae)
botany 583.971
Planer tree (Ulmaceae)
botany 583.9625
Planes
aircraft constr'n 629.134323
geometry 513.1
descriptive 515.11
modern 513.51
solid 513.31
inclined canal eng. 626.5
mechanics 531.85
intersecting geometry 513.32
loci in space
geometry, Cartesian 516.32
of distance lands. art 712.28
parallel geometry 513.33
Planet size illusion
physiology 612.84374156
psychology 152.1374156
Planetarium astronomy 523.28
Planetary
system astronomy 523.25
transmission mot. veh. 629.24441
Planetoids
astronomy 523.44
occult astrology 133.532
Planets
astronomy 523.4
theoretic 521.5
distributive laws of
solar system 523.21
Planets (cont.)
mutual action of
astronomy 521.41
nonsphericity of
astronomy 521.43
occult astrology 133.53
seasons on astronomy 525.54
signs of palmistry 133.6442
worship of comp. relig. 291.2127
Planimeters manufactures 681.144
office equip. 651.2645
Planimetry surveying 526.97
Planing
machines mech. tools 621.91
mills architecture 725.442
Planipennia entomology 595.741
Planiscopes photography 771.352
Planisphere astronomy 522.78
Plank foundations archi. 721.162
pavements eng. 625.83
scraper farming 631.3131
Plankers farm tools 631.3146
Planking tillage 631.515
Plankton
[1] **geographic biology** 574.92
[1] **botany** 581.92
[1] **zoology** 591.92
vegetable ecology 581.526325
Planned
distribution wealth 339.25
economy production 338.91
Planning
city civic arts 711
dept office economy 651.321
forestry 634.9283
shop management 658.51
Planography engraving 763
Plans
architectural design 729.2
blueprints, etc.
building industry 692
library buildings 022.3
museum " 069.22
office files 651.64
in other specific
[2] fields see subject —00034
graphic mech. drawing 744.42
[1] **of cities maps** 912
Plant
components bot. chem. 581.192
diseases agriculture 632
botany 581.2
floriculture 635.92
viticulture 634.82

Plant (cont.)
forms, carved archi. 729.51
painted " 729.41
growth, *see* Growth
juices processes phot. 773.7
life reservations
natural landscape 719.36
remains veget. ecology 581.52234
species floriculture 635.933–.939
specimens lands. art 715.161
training agriculture 631.546
windows landscape art 716.4
Plantagenet Gothic archi.
English 723.5203
French 723.547
Plantagenets Eng. hist. 942.03
Irish " 941.53
Plantain
mud- (Pontederiaceae)
botany 584.34
(Musaceae) fruitculture 634.773
(Plantaginales) botany 583.899
water- (Alismaceae) " 584.721
Plantar
artery anatomy 611.13795
muscles of foot " 611.7389
nerves " 611.83588
veins " 611.14739
Plantaris anatomy 611.73855
Plantation
life polit. science 323.354
songs music 784.756
types forestation 634.95658
Plantations
cemeteries 718.65
landscape art 715–716
for specific types see subject
natural landscape art 719.23
park design 712.514
types of landscape art 715.16
Planté accumulators
electric engineering 621.3552
Planté-Faure accumulators
electric engineering 621.3554
Planters
farm machinery 631.332
trans- farm machinery 631.336
Planting
cuttings for agric. 631.5353
methods " 631.53
separate seeds " 631.5313
silviculture 634.9565
surveys forestry 634.928332
Plant-lice (Aphidae)
agricultural pests 632.7525
Plants
alkaloidal field crops 633.7
and animals
biologic differences 577.5
physiologic comparison 612.0135
annual, biennial & perennial botany 582.11
art anatomy 743.7
bedding landscape art 716.163
behavior of
botany 581.5
comp. psychology 151.4
botany 580
care of agriculture 631.54
causing disease
economic botany 581.67
classification of bot. 580.12
climbing floriculture 635.974
color in botany 581.157
floriculture 635.9782
coloring agriculture 633.86
cultivation of " 631.5
effects on environment
botany 581.5223
evolution 575
exotic floriculture 635.952
flavoring field crops 633.82
floriculture 635.9
flowering botany 582.13
lands. art 716.2
for special purposes
floriculture 635.96
fossil paleontology 561
geologic agents 551.97
growing floriculture 635.965
herbaceous botany 582.12
floric. 635.93
lands. art 716
hothouse landscape art 716.36
in art 704.9434
injurious agric. pests 632.5
econ. bot. 581.65
irritant floriculture 635.97845
landscape design 715.17
longevity of
physiologic botany 581.139
manufacturing, *see*
Factories
marine geographic bot. 581.92
medicinal agriculture 633.88
econ. botany 581.634
pharmacy 615.32
multiplication of agric. 631.53
museum models 069.42
specimens 069.458
native, Society for the
protection of botany 580.627446

Plants (cont.)
nectariferous, *see* Nectariferous plants
new, introduction of agriculture 631.524
noxious econ. botany 581.65
nutrition of agric. 631.811
odor in floriculture 635.9783
oil producing agric. 633.85
old fashioned floric. 635.972
painting 758.42
parasitic agric. pests 632.5
econ. botany 581.693
poisonous agric. pests 632.59
econ. bot. 581.692
potted floriculture 635.965
protection of agricultural equipment 631.344
agriculture 631.544
quarantine for agric. 632.93
receptacles for " 631.346
rough leaved floric. 635.97844
school decoration 371.638
seasoning agriculture 633.8
selection of " 631.521
separation of growing agriculture 631.532
supports for agric. 631.345
tools for " 631.34
tropical floriculture 635.9522
useful & harmful bot. 581.6
woody botany 582.15
worship of comp. relig. 291.2123
see also Botany, Flora
Plaquemines parish, La.
history 976.337
Plaques of identity
numismatics 737.2
Plasma
hematic chem. of blood 612.12
membrane veget. cytol. 581.87346
Plasmodiophorales botany 589.285
Plaster
building industry 691.5
casts
from photoreliefs 777.5
photomech. printing 771.8
sculpture 731.252
ceilings archi. 721.75
elevators " 725.367
of Paris eng. materials 620.15
fertilizers 631.821
sculpture 731.252
surfaces painting, art 751.223
Plastering masonry 693.6
Plastic
arts 730
ecclesiology 246.7
materials sculpture 731.25
products of metabolism
botany 581.13373
surgery medicine 617.95
Plasticity tests
engineering materials 620.1123
Plastics
ceramic chem. tech. 666
chemic technology 668
Plastids, movement of bot. 581.1864
veget. cytol 581.8733
Plastine, etc. sculpture 731.252
Plat types city plan. 711.41
Platanaceae botany 583.971
Plate
backing photography 770.2817
cameras, moving picture 778.534
photography 771.3132
current supply
radio circuits 621.38413381
dyes, nonfilter
photographic chemistry 711.5342
girders bridge eng. 624.23
glass chem. technology 666.1
insurance bus. 368.6
holders photography 771.32
magazines " 771.33
multiplication
photoengraving 777.4
precious metals arts 739.2183
rectification radio 621.38413232
system ice-machines 621.582
tanks photography 771.43
Plateau reg., Ala hist. 976.171
Miss. " 976.26
NC " 975.65
Plateaus
landscape ground forms 713.5
physiography 551.43
Platen-Hallermünde, August
German poetry 831.68
Plateresque architecture 724.14603
Plates
and dishes dom. economy 642.7
architectural constr'n 721.894
armor- manufactures 672
book, *see* Bookplates
defective photography 770.2818
illustrations, etc., in
[2] specific fields see subj. —084

Plates (cont.)
manufactures photography 770.2812
metal " 771.524
negative, finishing
photomechistry 774.4
process printing
photomechistry 774.5
sensitive
and speed
photochemistry 771.5325
photochemistry 771.5322
strength of engineering 620.11282
voltaic cells 621.3522
Platform foundations
architecture 721.16
bridge engineering 624.156
Platforms gun mounts 623.435
railroad archi. 725.316
eng. 625.18
sculpt. equip. 731.3
suffrage 324.239
Plating, electro- physics 537.85
metal mfg 671
mot. veh. mfg 629.2346
shop eng. works 621.794
Platinotypes photography 772.32
Platino-uranotypes " 772.45
Platinum coinage metals 332.418
group chemistry 546.9
metallurgy 669.2
mineralogy 549.2
processes phot. 772.31
work fine arts 739.24
Plato Greek classics 888.4
philosophy 184.1
Platonic
group philosophy 184
neo-, group philos. 186.4
Platonism philosophy 141
Platonists, neo-, apologetics
against doc. theology 239.4
Platoon mil. science 355.31
system education 371.25
Platt nat'l park, Okla
description 917.6657
'Plattdeutsch language 439.4
Platte
county, Mo history 977.8135
Neb " 978.252
River valley
Nebraska history 978.2
plain, Neb " 978.24
Platyhelminthes zoology 595.12
Platypus (Monotremata)
mammalogy 599.1
Platyrrhini mammalogy 599.82
Platysma anatomy 611.7321
Plautus, T M Latin drama 872.3
Play childstudy 136.7479
hyg. of recreation 613.74
nursery care 649.5
psychology, educ. 370.158
recreation 790
school hygiene 371.74
Player-pianos
automatic manufactures 681.823
manufactures 681.841
music 789.9
Playertypes photography 778.12
Playground influence
crime prevention 364.44
Playgrounds
and crime sociology 364.255
for laboring classes
economics 331.84
landscape art 712.545
public sports 796.4
school premises 371.61
Playhouses architecture 725.822
lands. art 717.682
Playright copyright bus. 655.62
Plays, *see* Drama
Playwrights biography 928.082
Pleached trees
landscape art 715.266
Pleading legal procedure 347.92
Pleas, court of common
jurisprudence 347.99
Pleasants co., WVa hist. 975.421
Pleasure
physiology of brain 612.82133
psychology of emotions 157.3
resorts city planning 711.455
see also Recreation
Pleasure-pain
psychoanalysis 131.3413
theories of emotional
sensibility psychology 157.521–.523
Plectascineae botany 589.238
Plectobasidiineae " 589.2219
Plectognathi ichthyology 597.54
Plectral stringed instr.
music 787.5–.9
Pleinairism
painting schools 759.914
Plenipotentiaries
political science 327
Plenum cosmology 114
fans engineering 621.63

Pleonandrae (Orchidaceae)
botany 584.15
Pleosporaceae botany 589.2351
Plethysmography physiol. 612.189
Pleura anatomy 611.25
pathology 616.25
physiology 612.2155
Pleurocapsaceae botany 589.84
Pleurocarpi " **588.215**
Pleurococcaceae " 589.47523
Pleuromeiaceae " 587.9111
paleobot. 561.79111
Pleuroperitoneal cavity
anatomy 611.389
embryology 611.01366
Pleuropneumonia
bovine vet. med. 619.2
pathology 616.241
Pleurophascaceae botany 588.21472
Pleurozioideae " 588.311
Pleuston veget. ecology 581.526324
Plicae circulares anat. 611.3414
Pliers office fittings 651.4659
Plinius Caecilius Secundus
Caius Latin letters 876.2
Plinths columnar constr'n 721.38
wall " 721.25
Pliocene
period geology 551.783
post-, period geology 551.79
Pliotrons radio tubes **621.384132**
Plocamiaceae
(Gigartinales) botany 589.414
Plotinus philosopher 186.4
Plotting surveying 526.96
Ploug, Carl Dan. poet. 839.81168
Plover (Limicolae) ornithol. 598.33
Plowing tillage 631.512
Plows
farming **631.312**
shovel- farming 631.3162
steam engineering 621.146
Plug switches
electric stations 621.31734
transfer
multiple
telephony 621.38747
Plugs radio circuits 621.38413387
Plum, Japanese (Rosaceae)
fruitculture 634.16
Jew (Anacardiaceae)
fruitculture 634.442
marmalade
(Sapotaceae)
fruitculture 634.432
Plum (cont.)
pigeon (Polygonaceae)
fruitculture 634.665
(Rosaceae)
fruitculture 634.22
Spanish (Anacardiaceae) fruitculture 634.443
Plumas co., Calif. hist. 979.429
Plumb plan railways 385.016622
Plumbaginaceae botany 583.671
Plumbago drawing f. arts 741.24
geol., econ. 553.26
mining 622.336
processes phot. 773.2
Plumbing
building industry **696**
laws bldg industry 696.9
museum buildings 069.29
sanitary engineering 628.6
Plumb-line variations
geodesy 526.73
Plumieroideae
(Apocynaceae) botany 583.721
Plum-pocket
(Protodiscineae) " 589.237
Plumule, embryonic " 581.33274
Plundering criminal law 343
Plunger
pumps engineering 621.654
stokers
steam boiler furnace 621.18365
Plural vote suffrage 324.213
Pluralism philosophy 147
psychology 130.16333
Plurality
elects suffrage 324.263
of offices economics 331.65
worlds astronomy 523.13
ontology 111.82
vote legis. election 328.3355
Plush manufactures 677.02864
see also special fibers
special fabrics 677.61
Plutarch Greek classics 888.8
philosopher 186.2
Pluto astronomy 523.48
Plutology polit. econ. **330**
Plutonic rocks petrology **552.3**
Plymouth
[1] **brethren sect. hist.** **286.7**
city, Mass, settlement
US history 973.22
county, Ia history 977.716
Mass " 974.48

Plymouth (cont.)
Rock fowls (Gallinae)
agriculture 636.582
Pneumatic
brakes gun mounts 623.43564
caisson foundations
architecture 721.173
clocks horology **681.115**
dispatch physics 533.88
forcing
subaqueous foundations
architecture 721.175
machinery engineering **621.5**
library bldg 022
pile foundations archi. 721.155
railways engineering 625.5
recuperators gun mounts 623.43572
tools engineering 621.542
transmission apparatus
manufactures 681.6311
tubes
city planning 711.82
communication 654.8
domestic economy 643.6
library equipment 022.946
office " 651.268
physics 533.88
Pneumatics
physics **533**
see also Compressed air
Pneumatology metaphysics **128**
Pneumatotherapy 615.836
Pneumogastric nerve
see Vagus nerve
Pneumography physiology 612.211
Pneumonia pathology 616.241
public health 614.54
Pneumotherapy medication 615.64
Poa (Festuceae) field crops 633.21
Poaceae botany **584.9**
Poales (Glumiflorae) bot. **584.84**
Pocahontas co., Ia hist. 977.719
WVa " 975.487
Pocatello, Ida history 979.6471
Pocket
cameras photography 771.3148
fungi (Protodiscineae)
botany 589.237
veto legis. procedure 328.375
Pockets, card lib. econ. 025.255
geol., econ. 553.18
Pocklington grape vitic. 634.847
Podalyrieae (Fabaceae)
field crops 633.372
Podaxaceae botany 589.2219
Podiums wall constr'n 721.25
Podkarpatská Rus hist. 943.74
see also Ukraine
Podocarpaceae botany 585.223
Podophthalma
(Gastropoda) zoology **594.3**
(Malacostraca) " **595.38**
Podophylloideae
(Berberidaceae) botany 583.117
Podoscaphs sports 797.17
Podostemonales botany **583.92**
Poduridae entomology 595.713
Poe, E A Amer. poet. 811.32
Poecilothermic animals
inanition in physiol. 612.39192
Poetry
about music fine arts 780.881
and " " " 781.62
Christology 232.991
collections **808.81**
competitions recrea. 791.2
literary history 809.1
literature, American **811**
English **821**
[3] other —1
newspapers 070.4481
rhetoric 808.1
sacred hymnology **245**
Poets biography **928.081**
Poggendorf illusion
physiology 612.84374154
psychology 152.1374154
Pogostemon patchouly
(Lamiaceae) field crops 633.812
Poignards fine arts 739.72
Poincaré, Raymond pres. 944.08
Poinsett co., Ark hist. 976.796
Point scale tests psychol. 151.23
Pointe Coupee
parish, La. history 976.3454
Pointed
arches archi. constr'n 721.422
architecture **723.5**
domes arched constr'n 721.46
vaults " " 721.452
Pointer syst. telegraphy 621.38225
Pointers (Canidae)
hunting sport 799.23
Pointing sculpture 731.46
Points
geometry, modern 513.51
of excellence zootech. 636.08114
Poison
ball sports 796.31

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Poison (cont.)
gases toxicology 615.91
ivy (Anacardiaceae) bot. 583.292
see also Rhus
Poisoned wounds surgery 617.148
Poisoning
of bees apiculture 638.1582
venomous, treatment
physiology 612.3145
Poisonous secretion bot. 581.145
zool. 591.145
Poisons
action of mesology 612.01446
and bile physiology 612.3574–5
gastric secretion
physiology 612.324
intelligence
physiol. of brain 612.8214
intestines physiol. 612.334
iris " 612.8424
psychology 152.124
lactic secretion
physiology 612.6644
liver physiology 612.354
nerve cells " 612.82254
nervous irritability
physiology 612.8167
nitrogenous
metabolism
physiology 612.461234
pancreas physiol. 612.344
reflexes " 612.83394
salivary glands
physiology 612.3134
sweat physiology 612.7924
temperature " 612.544
urinary secretion
physiology 612.464
vasomoters physiol. 612.185
botanic chemistry 581.1926
chemic analysis 543.5
chemistry of
physiol. of nutrition 612.3988
effects of pathology 616.97
on plants bot. 581.522274
red corpuscles
physiology 612.1114
respiration
physiology 612.284
elimination of
physiologic chemistry 612.01534
house pestifuges 648.7
irritant toxicology 615.91
Poisons (cont.)
neurotic
and ment. hyg. psychol. 131.334
hygiene 613.8
medicine 616.86
psychology 132.16
toxicology 615.95
sale of pub. health 614.28
toxicology 615.9
vegetable econ. bot. 581.692
venomous physiology 612.314
Poisonwood
(Anacardiaceae) botany 583.292
(Euphorbiaceae) " 583.951
Poitevin processes
collographic phot. 774.1
color " 778.63
helioplastic " 777.5
pigmented " 773.122
photolithographic " 775.1
silver " 772.13
Poitou history 944.61–.63
sheep (Bovidae)
domestic animals 636.3444
Poker card games 795.41
ethics 175.5
Pokeweed
(Phytolaccaceae) bot. 583.915
Pola Eur. w., 1915
air raids 940.445
[4] **Polabian language** 491.89
Poland
campaign Eur. w., 1914 940.4223–4
1915 940.4252
history, German 943.8
Russian 947.5
insurrection, 1830–31
Russian history 947.07
partitions, 1772–95
Russian history 947.06
Poland-China swine
(Suidae) domestic animals 636.482
Polanisia
(Capparidaceae) bot. 583.131
Polar
duplex syst. telegraphy 621.382323
regions
see Arctic regions
Star state (Me) hist. 974.1
Polarimeters mfg 681.416
Polarimetric method
quantitative analysis 545.8
Polarimetry, urinary
physiology 612.461176

Polariscopic anal. chem. 544.7
Polarity in rocks geol. 551.84
veget. growth 581.13414
Polarization
of light astronomy 522.65
optics 535.5
qualitative analysis 544.7
radio waves 621.384113
voltaic cells 621.351
Polarized light and
chemic structure 541.35
Polarizing photometers
photographic chemistry 771.5345
Polars geometry 513.55
analytic 516.55
Polders
agricultural reclamation 631.616
Pole vaulting athletics 796.43
Polecat (Mustelinae)
mammal. 599.744472
Polemic sermons
homiletics 252.2
Polemoniales botany 583.761
Polemonioideae " 583.7611
Poles electric lines 621.319223
forest products 634.9834
geometry 513.55
analytic 516.55
plant support 631.3452
training 631.5461
radio antennas 621.38413581
telegraph bus. 654.4
Pole-star and latitude
finding astronomy 525.43
Police
aircraft service 629.13842
alarm boxes city plan. 711.727
and juvenile courts
criminology 364.528
boats shipbuilding 623.826
dogs (Canidae) dom. anim. 636.75
international
military organizations 355.358
library administration 025.9
local government 352.2
medical public health 614.29
military 355.133
prisoners' sociology 365.63
radio service 621.3841954
sanitary administration 351.77
state " 351.74
station libraries 027.655
Police (cont.)
stations
and lock-ups prisons 365.34
architecture 725.188
city planning 711.661
suffrage limitations 324.177
work, preventive
criminology 364.46
Policemen, YMCA work with 267.369
Poling boating sport 797.123
Poliomyelitis
see Paralysis, infantile
Polish
bantams (Gallinae) agric. 636.58713
fowls " " 636.552
grain (Coccidae) " 638.36
[4] **language 491.85**
sheep (Bovidae) dom. anim. 636.3331
swine
large (Suidae) " " 636.433
Polishes chemic tech. 667.7
Polishing
domestic economy 648.55
motor vehicles, care of 629.2883
painting trade 698.3
textile process 677.02824
see also special fibers
Politeness ethics 177.1
soc. customs 395
Political
affiliation
immigration limitations 325.154
amnesty criminal law 343.2
criminology 364.64
assessments
electoral frauds 324.273
assn's & organizations 363
crises & disorders
internal relations 323.2
divisions
[1] **growth & changes in 911**
[1] **economists biography 923.3**
economy 330
geography 910
halls, temporary archi. 725.92
history 900
parties, American (US) 329
in Canada 329.971
Judea 329.933
New Zealand 329.9931
etc.
prisoners prisons 365.46
refugees int'l law 341.51

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Political (cont.)
science 320
[1] **scientists biography** 923.2
sermons homiletics 252.6
service aircraft 629.1383
status of women sociol. 396.3
[1] **Politicians biography** 923.2
Politicos partizanship 329
Politics
and crime sociology 364.258
migration
political science 325.13
penal institutions
sociology 365.1
sectarianism relig. 280
taxation pub. fin. 336.295
morals of ethics 172.1
women in sociology 396.9
see also Political parties
Polity, eccles. theology 262
Poliziano, Angelo
Italian drama 852.22
poetry 851.24
Polk, J K, president
US history 973.61
co., Ark. " 976.745
Fla " 975.967
Ga " 975.8375
Ia " **977.758**
Minn " 977.695
Mo " 977.877
Neb " 978.235
NC " 975.6915
Ore " 979.538
Tenn " 976.8875
Wis " 977.517
Polka dances 793.33
music form 781.508522
piano music 786.44
Poll lists suffrage 324.242
tax polit. econ. 336.251
Pollak-Virag system
telegraphy 621.38246
Polled cattle
Aberdeen (Bovidae)
domestic animals 636.2231
Durham (Bovidae)
domestic animals 636.2263
Hereford (Bovidae)
domestic animals 636.2227
red (Bovidae) dom. anim. 636.2264
Pollen
apiculture 638.1381
gathering apiculture 638.12153
grains veget. embryol. 581.3253
Pollen (cont.)
plants apiculture 638.138
sac floral anatomy 581.463252
Pollination botany 581.16622
plant growth 631.5474
Pollution
by cemeteries
public health 614.651–.652
industrial sanitation 628.5
public health 614.7
streams sewage disposal 628.39
water indus. sanitation 628.541
waterworks 628.16
Pollux classic mythology 292
Polo pony (Equidae)
domestic animals 636.161
sports 796.353
aquatic 797.25
Polonaise music form 781.508524
piano music 786.44
Polonium chemistry 546.892
processes phot. 772.77
Polsters botany 582.143–.146
Poltergeist occultism 133.12
Polverara fowls
(Gallinae) agriculture 636.553
Polyandry, *see* Polygamy
Polyblepharidaceae bot. 589.47534
Polycarpeae " 583.1541
Polycarpellatae, axifloro-
apopetalous bot. 583.11–.255
gamopetalous " 583.6–.6864
Polycarpicae " 583.11
Polychaeta zoology 595.17
Polychrome
carbon processes phot. 773.127
decoration fine arts 747.32
photography " " 778.6
sculpture " " 731.28
Polychromy archi. dec. 729.4
Polycystina zoology 593.14
Polydaemonism comp. relig. 291.211
Polygalaceae botany 583.143
Polygalales " 583.14
Polygalineae " 583.14
Polygamous diclinism " 581.1662544
Polygamy
act, 1882 US history 973.84
criminal law 343
demography 312.5
ethics 173.2
hygiene 613.89
Mormon sectarian hist. 289.3
sex customs 392.6

Polyglot dictionaries
philology 413
Polygonal roofs
architectural constr'n 721.593
Polygon, frequency
psychologic measurements 151.264
Polygonal
arches archi. constr n 721.424
domes arched " 721.47
vaults
circular " " 721.44
pointed " " 721.454
Polygonales botany 583.917
Polygonoideae
(Polygonaceae) " 583.917
Polygons geometry 513.16
Polygraphy
special collections 080
in specific fields
[2] see subject —08
Polyhedrons geometry 513.34
Polykrikidae botany 589.973235
Polymeric amids
silk industry 677.473
Polymerism chemistry 541.7
Polymorphic
characters, heredity of
biology 575.1264
diffused delusions
medicine 616.897
psychology 132.197
variation botany 581.1519
zoology 591.151
Polymorphism
crystallography 548.3
Polynesia history 996
Polynesian languages 499
Polyopticons photography 778.22
Polypetalae botany 583.1
Polyphase
electric transmission
engineering 621.31913
traction system
electric engineering 621.33143
Polyphonic sacred music 783.4
Polyphylesis floristics 581.5276
Polypnea
physiology 612.223
thermic physiology 612.534
Polypodiaceae botany 587.3127
Polyporaceae " 589.222
Polypose portraits phot. 778.8
Polyps (Anthozoa) zool. 593.6
Polyptychs painting 751.72
Polypus pathology 616.992
Polysaccharids and
nutrition physiology 612.39611
Polytheism 291.14
Polytrichales botany 588.2111
Polytrichinales " 588.211
Polyuria
after medulla oblongata
lesion physiology 612.46381
physiology 612.4641
Polyzoa zoology 594.7
Pomace fertilizers 631.847
Pomaceae botany 583.37
Pomaceous fruits
(Rosaceae) agriculture 634.1
Pomegranate
(Punicaceae) fruitculture 634.64
Pomelo (Rutaceae) " 634.323
Pomerania history 943.16
Pomeranian sheep (Bovidae)
domestic animals 636.3331
Pomme Cythere
(Anacardiaceae) fruitcult. 634.442
Pomoideae botany 583.37
Pomology agriculture 634
Pompadour
fowls (Gallinae) agric. 636.552
taffeta silk industry 677.4164
special fabrics 677.61
Pompeii Roman antiquities 913.377
Pompignan, J J Lefranc
French poetry 841.53
Ponce de Leon, Juan
American history 973.16
Pond apple (Anonaceae)
fruitculture 634.414
parks lands. art 712.53
reserves nat. lands. 719.348
Pondoland history 968.64
Ponds
artificial lands. art 714.33
fisheries 639.311
landscape art 714.23
physiography 551.48
salt fisheries 639.322
Pond-scum
(Zygnematales) botany 589.612
Pondweed
(Pontamogetonaceae)
botany 584.742
Pongee silk industry 677.426
Poniards weapons 399
Ponies
(Equidae) dom. anim. 636.16
student honor 371.81

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Pons Varolii anatomy 611.8173
physiology 612.8268
Ponsard, François
French drama 842.82
Pontchartrain
Lake, La. history 976.334
Pontederiaceae botany 584.34
Pontederiineae " **584.33**
Pontiac
conspiracy, 1763–64
Canadian history 971.02
US " 973.27
county, Que history 971.421
Pontifical
curia eccles. polity 262.136
states " " 262.132
Pontificate
Roman " " **262.13**
Ponton process phot. 773.122
Pontoon bridges
engineering 624.87
military engineering 623.652
Pontoons
aircraft construction 629.1343842
military equipment 355.83
Pontoppidan, Erik
Danish literature 839.81841
Pontotoc
county, Miss. history 976.293
Okla " 976.669
Ridge, Miss. " **976.291**
Pontus history, ancient 939.33
Pool game ethics 175.4
recreation 794.7
halls architecture 725.84
Pools
artificial lands. art 714.33
industrial
int'l production 338.88
production 338.83
stock & commodity trading 332.64
Poolselling ethics 175.9
Poor Clares
relig. sisterhoods 271.973
condition of
political econ. **339.1**
homes of
architecture 7-8.11-.12
rural archi. 728.68
laws local gov't 352.9
pauperism 339.16
Little sisters of the
religious orders 271.95
marriage of sociol. 362.55
Poor (cont.)
rates public finance 336.28
relief pauperism 339.16
sociology **362.5**
rights of charity 362.53
taxation of sociol. 362.535
Poorhouse libraries 027.6625
Poorhouses architecture 725.55
charity 362.51
pauperism 339.16
Poot, H K Dutch poetry 839.31142
Popcorn (Maydeae)
garden crops 635.677
Pope, Alexander Eng. poet. 821.53
wit 827.55
co., Ark history 976.732
Ill " 977.3991
Minn " 977.646
Joan card games 795.42
Popery eccles. polity **262.13**
sectarian hist. 282
[1] **Popes biography** **922.21**
Popham, John, colony
Maine history 974.1
Popish plot, 1679
English hist. 942.066
Poplar
London " 942.15
(Salicaceae) forestry 634.9723
Popliteal
artery anatomy 611.13786
fossa " regional 611.983
glands " 611.4683
nerve, external anat. **611.83581**
internal " **611.83587**
veins anatomy **611.1473**
Popliteus " 611.73856
Poppy (Papaveraceae)
field crops 633.75
see also Opium
water-
(Butomineae) bot. 584.73
Popular
science **500**
sovereignty
see Squatter sovereignty
tumults public order 351.752
Popularity soc. psychol. 301.155
Population
changes and city plan.
civic arts 711.13
composition of demog. 312.9
control
crime prevention 364.42

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Population (cont.)
decrease demography 312.8
density and crime
sociology 364.253
distribution of demog. 312.9
increase " 312.8
of France 312.0944
Judea 312.0933
United States 312.0973
etc.
origin of demography 312.9
statistics 312
urbanization of immig. 325.12
Populations, transfer of
political science 325.12
Populist party
US politics 329.84
Populus (Salicaceae)
forestry 634.9723
Poquelin, J B Fr. drama 842.42
Porantheroideae
(Tricoccae) botany 583.951
Porcelain
ceramics 738.2
chemic technology 666.5
cleaning dom. econ. 648.54
plates & vessels
practical chemistry 542.232
radio insulating material 621.3841791014
strength of eng. 620.14
supports phot. chem. 771.5265
ware domestic economy 642.7
Porch furnishing
domestic economy 645.8
Porches
architectural constr'n 721.867
design 729.3867
church architecture 726.591
city planning 711.725
sleeping dom. econ. 643.57
transeptal church archi. 726.592
Porcupines
(Rodentia) mammalogy 599.32
Pores, closed
and transpiration 612.7934
Porifera zoology 593.4
Pork packing and pollution
public health 614.743
trichinae (Gordiacea)
public health 614.562
Pornography ethics 176.7–.8
Porosity physics 539.2
Porphyrization prac. chem. 542.22
Porphyry geology, economic 553.56
petrology 552.31
philosopher 186.4
Porpoises (Denticete)
mammalogy 599.53
Port Arthur
Manchuria history 951.822
districts city plan. 711.553
Elizabeth history 968.755
Hudson, La., siege
1863 US Civ. war 973.7347
Huron, Mich hist. 977.441
Madison
Indian reservation
Wash history 979.776
Natal history 968.47
Neuf Range, Ida " 979.647
Royal
city, SC, operations
1861 US Civ. war 973.751
heresy ch. hist. 273.7
persecutions, 1709
church history 272.5
Said " 962.15
St John's " 968.646
Porta, G B della
Italian drama 852.45
Portage co., O history 977.137
Wis. " 977.553
Portal vein
anatomy 611.149
ligature of physiol. 612.35151
Portals, *see* Doors
Portaphone radio 621.3841325
Portcullis door constr'n 721.836
Porte-cochere
city planning 711.725
door construction 721.835
Portents divination 133.334
Porter, Jane Eng. fict. 823.75
Noah philosopher 191.6
co., Ind history 977.298
Porters domestic econ. 647.25
lodges archi. 728.91
Portfolios, illus., etc.
in specific fields
[2] see subject —084
Porthetria dispar
(Bombycina) agric. pests 632.787
Portholes shipbuilding 623.85
Portico archi. style 724.142062
wall constr'n 721.263
Portières domestic econ. 645.3
office " 651.243

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Portio dura paris septimi
see Facial nerve
Portland, Me history 974.191
Ore " 979.5491
cement
geology, econ. 553.68
vase pottery 738.38
Portmanteaus mfg 685.512
Portneuf co., Que hist. 971.4466
Porto Novo " 966.83
Rico, *see* Puerto Rico
Portrait
attachments phot. 771.352
busts sculpture 731.74
photographic films
photographic chemistry 771.5325
Portraits
coll'ns of paintings 757.9
engraving 769.42
fine arts 704.942
painting fine arts 757
Ports city planning 711.453
establishment of
and tides astron. 525.64
free tariff 337.87
inland commerce 386.8
oceanic " 387.1
Portsmouth, Eng. history 942.27
O " 977.1871
Va " 975.5522
Portugal " 946.9
Portuguese
discoverers Amer. hist. 973.16
East Africa " 967.9
grape, blue
Austrian viticulture 634.85436
[4] **language 469**
philosophers 196.9
West Africa history 967.3
islands " 967.39
Portulacineae botany 583.156
Pose art anatomy 743.2
Poseidon Greek mythology 292
Posen history 943.13
Poscy co., Ind " 977.234
Posidonius philosopher 188.5
Posing
chairs photography 771.21
photography 770.282
Position
calculus of geom., anal. 516.8
sense physiology 612.8861
psychology 152.67361
shorthand 653.123
Positives
see Prints, photographic; Transparencies
Positivism philosophy 146
Posology pharmacy 615.14
Possession
adverse private law 347.2
demoniac sorcery 133.42
spiritistic spiritism 133.90165
territorial polit. sci. 320.1263
Possessive
pronouns
Eng. etymology 422.7
[3] other lang. —27
syntax 425.7
[3] other lang. —57
Possibility, intrinsic
ontology 111.125
Possum grape viticulture 634.8445
Post houses architecture 725.317
whipping crim. law 343.2
Post —
for topics not listed below see distinctive part
Postage
free library aid 021.862
newspaper finance 070.345
privileges legislature 328.347
stamp cameras phot. 771.3191
money fin. econ. 332.53
stamps and permits
communication 383.2
engraving 768.8
Postal
money orders fin. econ. 332.76
orders banking by mail 383.3
privileges for libraries
government aid 021.863
savings banks fin. econ. 332.22
service
administrative control 351.816
communication 383
military science 355.34
stations architecture 725.16
telegraph sociology 384.1
union communication 383.4
Postauricular glands anat. 611.4632
Postcard style
business letters 651.753
Postcards office economy 651.717
Post-Civil war soc., Amer. 369.18
Posterior
column anatomy 611.8222

Posterior (cont.)
commissure
anatomy 611.8141
white spinal anat. 611.8269
Posterns archi. design 729.3835
door constr'n 721.835
Posters advertizing 659.134
city planning 711.68
drawing 741.67
engraving 769.5
lib. propagandism 021.73
Posthole digger farm tools 631.3113
Postimpressionism
painting schools 759.915
Postl, Karl Ger. fict. 833.74
Port-morten examination
pathology 616.0759
Post-oak grape vitic. 634.8455
Postoblongata anatomy 611.818
physiology 612.828
Post-office dept
[1] **foreign government 354**
US " 353.4
Post-offices architecture 725.16
Postrevolutionary
societies, American 369.14
Posts archi. constr'n 721.374
design 729.324
army buildings
military eng. 623.613
bumping
railroad eng. 625.16
carpentry 694.4
forest products 634.9836
lands. structures 717.83
Postures
psychology of reflection 153.4
school hygiene 371.713
Pot cheese dairy indus. 637.356
Potable waters economics 338.374
Potamogetonineae botany 584.74
Potash chemic tech. 661.3
fertilizers 631.83
Potassium
assimilation botany 581.1335463
chemistry 546.32
salts and nutrition
physiology 612.39262
Potato
beetle (Tetramera)
agricultural pests 632.768
entomology 595.768
blight
(Peronosporineae) bot. 589.252
Potato (cont.)
diggers agric. tools 631.3584
disease " pests 632.452
race children's games 796.14
(Solanaceae)
field crops 633.491
garden " 635.21
Spanish (Convolvulaceae)
garden crops 635.22
sweet (Convolvulaceae, Dioscoreaceae)
field crops 633.492
garden " 635.22
Potchefstrom history 968.29
Poteau Mt, Okla descr. 917.6679
Potentiality, being in
ontology 111.61
Potentials
law of attraction 531.51
of ellipsoids geodesy 526.11
Potentiometer elec. eng. 621.3743
radio 621.3841333
Potenza history 945.77
Potgieter, E J Dutch essays 839.31453
Potherbs garden crops 635.4
Pot-holes geology 551.92
Potomac
Army of the US Civ. war 973.7416
River
counties, Va hist. 975.52
valley, WVa " 975.49
Potpourris instr. music 785.9
music form 781.50838
Pots, chimney archi. 729.358
for plants agric. 631.346
kitchen equipment 643.35
layering farming 631.335
Pottawatomie
county, Kan history 978.132
Okla " 976.636
Pottawattamie
county, Ia " 977.771
Potted
layering plant culture 631.5344
plants landscape art 715.1752
Potter, Dirc Dutch poet. 839.31115
co., Neb history 978.297
Pa " 974.855
Potters
clays geology, economic 553.61
marks ceramics 738.88
Pottery
archeology 571.55
ceramics 738.3
chemic technology 666.6

Pottery (cont.)
garden landscape art 717.9
Indian history 970.6738
refractory prac. chem. 542.232
works architecture 725.486
Pottiales botany 588.2146
Pottiineae " 588.21461
Potting sheds lands. art 717.66
Pouchetiidae botany 589.973233
Poughkeepsie grape vitic. 634.8452
Pouilly " " 634.8544
Pouls, language of 496.5
Poulsen arc radio 621.3841313
Poultry
diseases of vet. med. 619.5
farming agriculture 636.5
houses architecture 728.945
farm economics 631.22
Pouncy process phot. 773.122
Pound metrology 389
Pouter pigeon (Columbae)
agriculture 636.59611
Poverty
and crime sociology 364.26
political economy 339.1
Powder
magazines mil. estab. 355.73
tactics 355.415
River Mts, Ore descr. 917.9573
Powder-post beetle
(Malacodermata) entomol. 595.766
Powders
explosive chem. tech. 662.2
laundry business 648.18
ordnance 623.452
protective therap. 615.776
toilet 646.7
Powdery
fungi
(Protocaliciaceae) bot. 589.2334
lichens
(Coniocarpineae) " 589.173
mildew
(Perisporiineae) " 589.2355
Powell co., Ky history 976.9585
Power
animal agriculture 631.3712
balance of
see Balance of power
circuits
radio interference 621.3841542
constructions lib. bldg 022
cosmology 118
county, Ida history 979.649
delegated polit. sci. 321.8
Power (cont.)
delivery elec. traction 621.3315
disciplinary
civil service 351.92
elec., storage of eng. 621.35
equip. laundry bus. 648.16
factor meters
electric engineering 621.37491
radio 621.384174
generation
industrial management 658.261
human agriculture 631.3711
hydraulic agriculture 631.3713
lines, electric city plan. 711.83
forest eng. 634.93482
meters electric eng. 621.3746
motive agriculture 631.371
of church religion 261.73
removal civ. service 351.92
pardoning crim. law 343.2
plants
electric engineering 621.312
industrial management 658.26
steam engineering 621.19
telephony 621.3876
using heat, air & gas
engines 621.49
politics int'l rela. 327
polit. sci. 320.157
presidential US gov't 353.03
pumps engineering 621.64
rolling stock 625.26
sense physiology 612.885
psychology 152.6735
shipbuilding 623.81
shovels mech. eng. 621.865
source indus. manage. 658.217
stations architecture 725.198
city planning 711.661
supply radio receivers 621.38413617
system " 621.384151
transmission
agriculture 631.37
cables manufactures 677.72
electric engineering 621.319
industrial management 658.262
mechanical engineering 621.8
transport by logging 634.98253
used in farming agric. 631.37
Powers
legislative polit. sci. 328.25
separation of
[1] **foreign government 354**
US " 353.02

Poweshiek co., Ia hist. 977.7596
Powhatan co., Va " 975.561
Powrie-Warner process
photography 778.66
Poyanghu, China history 951.222
Poznań " 943.13
Practical
exercises
in specific fields
[2] see subject —0765
sermons homiletics 252.4
vs cultural studies
curriculum 375.0071
Practise
code transmitters
radio 621.3841318
distribution of
educational methods 371.38
Pragmatic
cryptesthesia spiritism 133.93
sanctions
Byzantine history 949.501
Gallic church " 282.44
political science 321.6
Pragmatism philosophy 144
Prague (Praha) history 943.71
Prahova valley
European war, 1915 940.4255
1916 940.4281
Prairie
counties, Ala history 976.14
county, Ark " 976.777
fires agric. hindrances 632.18
formations veget. ecol. 581.52645
influences diff. psychol. 136.258
plains region hist. 976.69
plow farming 631.3125
state (Ill) history 977.3
Prairies
landscape ground forms 713.5
natural landscape 719.234
physiography 551.58
reclamation of agric. 631.611
Praise
meetings pub. worship 264.2
school incentive 371.53
Prakrit
primary literature 891.2
philology 491.27
[4] **secondary " 491.3**
tertiary " 491.4
Pram, C H Danish poet. 839.81155
Praseodimium chemistry 546.642
Prasioideae
(Labiatae) botany 583.891
Prasiolaceae " 589.47432
Praslin island history 969.6
Prat fowls (Gallinae) agric. 636.565
Prati, Giovanni It. poet. 851.78
Prato, Giovanni
Gherardi da It. fict. 853.25
Pratt co., Kan history 978.1815
Pratt's theory geodesy 526.14
Prawns (Macrura) fisheries 639.5
Praxinoscopes phot. 778.52
Prayer
books, *see* Service books
desks architecture 729.92
evening
see Evening prayer
family devotions 249
Lord's Bible 226.9
meetings pub. worship 264.7
morning
see Morning prayer
natural theology 217
of Manasses Apocrypha 229.6
private personal relig. 248
public worship 264.1
Praying insect (Mantidae)
entomology 595.725
Preachers 250.69
biography 922
Order of Dominicans 271.2
Preaching
friars Dominicans 271.2
homiletics 251
Pre-Adamites doc. theol. 233.11
somatology 573.3
Preble co., O history 977.171
Precautions
mountaineering 796.522
Precedence heraldry 929.7
Preceptorial
method univ. & col. 378.077
system education 371.41
Precession
astronomic corrections 522.95
astronomy, theoretic 521.9
Precious
metals
fabrics manufactures 677.53
fine arts 739.2
metallurgy 669.2
mineralogy 549
processes phot. 772.3
stones
engraving carving 736.2
geology, economic 553.8
mineralogy 549
mining 622.38
mounted fine arts 739.27

Precipitation
effect
radio transmission 621.38411557
forest ecology 634.94724
meteorology 551.57
of sewage san. eng. 628.34
practical chemistry 542.65
Precision
instruments
factories archi. 725.438
manufactures 681
Precocious dementia
medicine 616.8982
psychology 132.1982
Precocity childstudy 136.765
education 371.955
genius 151.123
Precolumbian
archi. styles, Amer. 722.91
discoverers " hist. 973.11
Precribrum anatomy 611.8133
Precuneus " 611.81318
Predelinquency
criminology 364.35
juvenile education 371.93
psychology 136.763
Predellas altar archi. 729.912
Predestination and
free will doc. theol. 234.9
Predictions psychology 133.3
Preemption of
public land finance 336.13
Pre-existence
spiritual metaphysics 129.3
Prefect Fr. loc. gov't 352.04404
Preference whist
card games 795.41
Prefixes
English etymology 422.2
[3] other lang. —22
Preflorescence botany 581.4634
Pregnancy
false pathology 618.39
molar " 618.39
obstetrics 618.21
pathology 618.3
physiology 612.63
Prehension of food
physiology 612.311
Prehistoric
archeology 571
man archeology 571
psychology of 136.41
somatology 573
Prejudice ethics 177.3
logic 165
Prelacy eccles. polity 262.12
Prelection educ. meth. 371.33
Preludes music form 781.5083
Premium
foreign exchange 332.45
loans public finance 336.381
Premiums advertizing 659:16
tariff 337.4
Premonitions divination 133.322
Premotion doctrinal theol. 234.115
Prenatal
circulation physiology 612.179
influence hygiene 613.9
Prentiss co., Miss. hist. 976.2985
grape vitic. 634.84709
Preordination and
free will soteriology 234.9
Preparedness mil. sci. 355.21
Preparing
museum material 069.4
specimens
biologic collecting 579.5
Prepeduncles anatomy 611.8164
physiology 612.8267
Preperception
illusions cause psychol. 133.241332–333
psychology 152.725
Prepositions
English etymology 422.9
[3] other lang. —29
syntax 425.9
[3] other lang. —59
Preraffaelite school
English painting 759.2081
German " 759.307
Presages divination 133.322
Presbyophrenia medicine 616.89834
psychology 132.19834
Presbyopia ophthalmology 617.75
physiology 612.8454
psychology 152.154
Presbyter
ecclesiastic polity 262.14
Presbyterian church 285
Presbyterium ch. archi. 726.593
Presbytery eccles. polity 262.4
Preschool education 372.2
Prescience doc. theol. 231.4
Prescott co., Ont hist. 971.386
Prescription
compounding pharmacy 615.4
writing " 615.14
see also Formulas, Receipts

Presentation
in temple Christology 232.928
Sisters of the 271.977
Presentations obstetrics 618.42
Presents
Christmas customs 394.268
Preservation
of food chemic tech. 664.8
domestic econ. 641.48
specimens
biol. collecting 579.8
in other specific fields see subject
Preservative processes
building industry 691
Preservatives
addition of photography 770.2812
biologic collecting 579.2
emulsion phot. chem. 771.54
fixing bath " " 771.547
photographic chemistry 771.544
Preserved food
state inspection 614.318
President
and Little Belt, ships
US history 973.51
[1] **foreign central gov't 354**
inauguration ceremonies 394.43
protem legis. bodies 328.3622
ship War of 1812 973.5257
US government 353.03
[1] **university & college 378**
administration 378.11
Presidential
campaigns
US partizanship 329.01
messages US gov't 353.03
[1] **power foreign gov't 354**
US " 353.03
succession act, 1886
US history 973.85
Presidents
[1] **biography 923.1**
mansions architecture 725.17
Presque Isle co., Mich 977.482
Press
and crime sociology 364.254
anonymous journalism 070.18
bureaus 070.4312
censorship of
journalism 070.13-.14
library economy 024.58
political science 323.445
public order 351.751
[1] **clubs journalism 070.62**
code telegraphy 621.382154
Press (cont.)
control by government 070.15
copies publishing 655.55
degradation 070.16
freedom of journalism 070.13
polit. sci. 323.445
pub. order 351.751
influence of 070.11
crime prevention 364.44
journalism 070
morals of ethics 179.1
journalism 070.11
service radio traffic 621.3841922
writing for
journalism 070.41
literary methods 029.6
rhetoric 808.4
see also Journalism, Newspapers
Pressed glass fine arts 748.2
Presses
baling agriculture 631.3642
butter dairy industry 637.2328
cheese " " 637.3323
filtering prac. chem. 542.67
hydraulic mech. eng. 621.266
physics 532.81
office equipment 651.266
photography 771.45
photomechanical printing 771.8
photomechanics 774.5
practical chemistry 542.68
printing
see Printing presses
Pressing
cheese industry 637.3333
hydraulic printing 655.33
laundry business 648.4
Pressure
aerodynamics 629.13235
aerostatics 629.1322
airships engineering 629.13327
atmospheric physics 533.4
barometric meteorology 551.54
blood physiology 612.14
chromisms psychology 152.771253
cookers kitchen equip. 643.33
cooking by dom. econ. 641.58
gages pneumatics 533.82
steam boilers 621.18473
high, piping for
hydraulic engineering 621.253
hydrostatic physics 532.1
perception physiology 612.883
psychology 152.5733

Pressure (cont.)
phonisms psychology 152.77253
processes photography 773.124
regulators
steam piping 621.1854
sensations, synesthetic
psychology 152.7753
turbines steam eng. 621.16523
vane engine control
aircraft 629.13516
variable hydraulics 532.56
wind bridge eng. 624.175
Presswork printing 655.32
Prestidigitation recrea. 791.1
Prestige social psychol. 301.155
Presto music form 781.50811
Preston co., WVa history 975.482
Pretoria " 968.21
Pretsch photogalvanographic
process fine arts 777.4
Preuss Range, Ida hist. 979.645
Prey, beasts of (Carnivora)
mammalogy 599.74
birds of (Raptores)
ornithology 598.9
Priapus Greek mythology 292
Price, Sterling, Mo exped.
1864 US Civil war 973.7374
Price co., Wis history 977.524
fixing economics 338.526
lists
in specific fields
[2] see subject —085
reductions adver. 659.16
Prices
administration
in specific fields
[2] see subject —00032
and money fin. econ. 332.413
buying business meth. 658.73
economics 338.5
see also in Tables subhead Financial questions under specific types of production, e.g. 338.13
gov't regula. of econ. 338.526
motor vehicles 629.21389
viewpoint
in specific fields
[2] see subject —003
Prickles veget. morphol. 581.4782
Prickly
fungi (Hydnaceae) botany 589.222
pear (Cactaceae)
fruitculture 634.7751
Pride ethics 179.8
Priedieus architecture 729.92
Prieska history 968.7475
Priest
Lake, Ida description 917.9696
pigeons (Columbae) agric. 636.59632
Priesthood
comparative religion 291.61
ecclesiastic polity 262.1
Priests 250.69
biography 922
of the mission, Congregation of relig. ord. 271.77
see also Clergy
Primacy, papal
ecclesiastic polity 262.131
Primaries suffrage 324.23
Primary
caucus " 324.235
direct " 324.237
period geology 551.72
readers elem. educ. 372.4
schools
see Schools, primary
Primates mammalogy 599.8
Prime
meridian
and cosmic time
chronology 529.77
astronomy 525.46
vertical astron. instr. 522.47
Primers elementary educ. 372.4
ordnance 623.45422
Primeval man
archeology 571
psychology of 136.41
somatology 573
Priming painting, art 751.41
tides astronomy 525.63
Primitive
[1] **apostolic church** 281.2
arches archi. constr'n 721.422
[1] **Baptists sect. hist.** 286.4
Christianity ch. " 270.1
church art eccles. 246.2
cities civic arts 711.423
[1] **Friends Quakers** 289.6
history
in specific fields
[2] see subject —0901
[1] **Methodist church** 287.4
music 781.71
production economics 338.62
sculpture 732.2

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Primitive (cont.)
streak embryology 611.01333
traditions folklore 398.1
[1] **Wesleyan church** **287.5**
Primogeniture family law 347.6
land econ. 333.35
Primrose
evening (Onagraceae) bot. 583.445
league polit. ass'ns 363
(Primulaceae) botany 583.672
Primulaceae " 583.672
Primulales " **583.67**
Primulin processes phot. 773.7
Prince
Albert, Cape Colony hist. 968.742
county, PEI " 971.71
Edward co., Ont " 971.3587
Va " 975.563
Island " **971.7**
George co., Va " 975.5585
Georges co., Md " 975.251
school depth psychology 153.822
William co., Va hist. 975.527
Prince's island
Gulf of Guinea " 966.993
Princes, education of 371.961
Princess
Anne co., Va history 975.551
Princeton, NJ
battle Amer. revol. 973.3326
history 974.967
Principals
school administration 371.1472
training for educ. **370.76**
Principe history 966.993
Principes botany 584.5
Principles
of conduct ethics **170**
theoretic, of subject
[2] see subject —011
viewpoint
in specific fields
[2] see subject —001
Printed
letters elem. writing 372.51
matter, samples of
office files 651.65
Printers 655.069
biography 926.55
ink processes phot. **774**
marks business 655.1
Printing
accessories phot. 771.41
photomech. 771.8
automatic, syst. radio 621.3841585
Printing (cont.)
business **655**
calico dyeing indus. 667.3
catalog card duplication 025.3
chemicals for phot. 771.55
display in typesetting 655.25
elementary writing 372.51
exposures photography 770.282
frames
phot. preparation 770.282
photography 771.42
[1] **history of business** **655.1**
in China **655.151**
England **655.142**
Massachusetts **655.1744**
etc.
inks typography 655.32
library administration **025.12**
lithography 763.8
machines
photography 771.42
textile equipment 677.02854
metal engraving **762.8**
music publication 781.981
newspaper management **070.32**
origin of business **655.11**
photography 770.2842
photolithography 775.5
photomechanics 774.5
photometalography 776.5
plate development
apparatus phot. 771.43
press money
financial economics 332.52
public securities 336.32
presses journalism 070.3224
manufactures **681.62**
typography 655.31
rare book rarities **094**
recorder radio 621.3841365
rooms
furnishings for phot. 771.26
photography 771.14
Sunday schools 268.144
taste in typesetting 655.25
telegraphs business 654.3
elec. eng. 621.3825
transfer ceramics 738.15
wood engraving **761.28**
Print-out
effect phot. chem. 771.538
processes
platinum photography 772.312
silver " 772.15

Prints
  cloth dyeing industry 667.3
  engraving **769**
  library administration 025.177
  photographic
    development 770.2842
    handling apparatus 771.43
  textile
    industry 677.02864
      see also special fabrics
    machines for mfg 681.6256
Prionodontaceae botany 588.21532
Prior, Matthew Eng. poet. 821.51
Priories architecture 726.73
  church history **271**
Priority, arrangement by
  office files 651.531
Priors lodgings archi. 726.792
Prism cameras phot. 771.3192
Prismatic heliochromy
  photography 778.64
Prisms
  geometry 513.36
  lighting san. eng. 628.9
  optic manufactures 681.42
  optics 535.81
  photometric phot. 771.5345
  reversing " 771.357
Prison
  administration sociol. **365.6**
  bands " 365.665
  breaks " 365.643
  discipline " 365.643–.644
  districts city plan. 711.556
  farms sociology 365.36
  hygiene " 365.57
  labor economics 331.51
    sociology 365.65
  libraries 027.665
    sociology 365.662
  plant " **365.5**
  reform " 365.7
  schools " 365.662
  systems " **365 2**
Prisoners
  base children's games 796.14
  hygiene sociology 365.664
Prisoners (cont.)
  of war ass'n, Union 369.155
    immigration 325.12
    int'l law 341.3
    life of 355.12
    military science 355.415
    prisons 365.45
  political " 365.46
  see also Convicts
Prison-made goods and
  interstate commerce
    sociology 365.65
Prisons
  architecture 725.61
  city planning 711.661
  effects of sociology 365.648
  hygiene of dwellings 613.57
  sociology 365.32
  see also Jails
Privacy, right of adver. 659.12
Private
  agencies & city planning
    civic arts 711.173
  banks financial econ. 332.13
  catalogs bibliography 017–019
  coinage financial econ. 332.46
  estate reservations
    landscape art 712.644
  institutions, soc., etc.
    in specific fields
[2] see subject —062
  instruction education **373.1**
  law **347**
    international **341.5**
[1] **libraries** **027.1**
  ownership policy
    forestry 634.92526
  poor relief charity **362.5**
  postal service
    communication 383.4
  property rights
    city planning 711.172
  reservations
    natural landscape 719.32
  vs public schools educ. 379.3
Privateering
  American revolution 973.358
  law of war 341.3
  naval science 359.425
  US Civil war 973.759
  War of 1812 973.5258
Privates military staff 355.33
Privation
  and health hygiene 613.88
  effects of pathology 616.985

Privet (Oleaceae) botany 583.71
Privies
and pollution
public health 614.764
architecture 728.992
sanitary engineering 628.41
Privileges
disciplinary suspension
library economy 023.9
office " 651.4486
library gov't aid 021.86
of legislators 328.347
Privy council Eng. gov't 354.4204
Prize contests adver. 659.17
fighting boxing 796.83
ethics 175.6
money naval science 359.134
Prizes
for research educ. 378.32
maritime law 347.7
newspaper
circulation increase 070.338
of war int'l law 341.3
school athletics 371.74–.75
rewards 371.53
in other specific fields
[2] see subject —079
Probabilities
insurance business 368.01
logic 164
mathematics 519
Probate law jurisprudence 347.6
Probation
criminology 364.63
school punishment 371.56
Problem
children education 371.9
psychology 136.77
method education 371.36
of 3 bodies astronomy 521.13
solving psychology 153.6
Problems
and tables, math.
see Mathematical tables and problems
in specific fields
[2] see subject —076
Proboscidea mammalogy 599.61
Procedure
civil law 347.9
legislative 328.37
sessional legislature 328.357–.358
Procedure (cont.)
viewpoint
in specific fields
[2] see subject —002
Proceedings of associations, societies, etc
in specific fields
[2] see subject —06
Process
cameras
photographic operation 774.4
photography 771.317
photography 774–777
plates
photomech. printing 774.5
shops eng. works 621.794
Processes, terminology of
in specific fields
[2] see subject —01433
Processional sacred music 783.29
Processions soc. customs 394.5
Proclus philosopher 186.4
Proctodaeum physiology 612.36
Proctor's Creek, Va
battle, 1864 US Civ. war 973.7365
Procyonidae mammalogy 599.74443
Prodicus philosopher 183.1
Prodigality
wealth consumption 339.44
Prodigies childstudy 136.765
divination 133.334
musicians 780.0713
Produce agric. crops 633
Producer gas
chemic technology 665.8
engines 621.43414
Producers
cooperatives economics 334.6
goods wealth 339.41
Product
and design indus. archi. 658.232
design indus. manage. 658.575
Production
agricultural economics 338.1
and consumption
maladjustment econ. 338.54
see also in Tables subhead Crises under specific types of production, e.g. 338.15
taxation pub. fin. 336.295
wages economics 331.2153
aquatic " 338.3
charts shop manage. 658.53

Production (cont.)
concentration econ. 338.7
control and state " 338.91
cooperative " 334.64
coordination " 338.91
dramatic theater 792
economics 338
viewpoint
in specific fields
[2] see subject —003
equipment indus. manage. 658.27
excises public finance 336.2713
forest
economics 634.92722
valuation of forestry 634.928423
industrial management 658.5
integration economics 338.8
intellectual " 338.46
interests
gov't representation of
economics 338.91
manufactures economics 338.4
mineral " 338.2
rewards of
wealth distribution 339.23
study indus. manage. 658.5425
system economics 338.6
silviculture 634.952
Productive consumption
wealth 339.41
Products, low grade
textile manufactures 677.0288
see also special fibers
Profanity ethics 177.2
Profession, choice of
educational guidance 371.425
Professional
education
workmen's econ. equip. 331.114
in specific fields
[2] see subject —07
ethics 174
in specific fields
[2] see subject —069
fees economics 331.27
periodicals journalism 070.486
schools
[1] admission 371.215
architecture 727.4
higher education 378.99
training for
teaching in 370.73265
services bldg constr'n 692.8
songs music 784.67
Professional (cont.)
status teachers 371.15
tribunals economics 331.16
workers
economics 331.71
income taxation 336.246
in specific fields
[2] see subject —069
Professionalization of
subject matter educ. 370.77
Professorial socialism
political economy 335.62
Professors
exchange of education 378.12
training, kind & amount of 371.12
university & college 378.12
Professorship, training for 370.73264–65
Profiles fortifications 623.111
Profintern
labor organizations 331.886
Profit
and loss bus. finance 658.155
sharing wages 331.24
Profiteering ethics 174.5
Profits
and prices production 338.52
business taxation 336.243
determination forestry 634.928432
producers'
see in Tables subhead Financial questions under specific types of production, e.g. 338.13
undivided bus. finance 658.157
wealth distribution 339.23
zootechnic economics 636.0818
Profunda anatomy 611.1342
Progeny hygiene 613.9
Prognosis pathology 616.01
Prognostic tests schools 371.26
Prognostications psychol. 133.3
Program music, orchestral 785
piano 786.43
notes music 780.072
Programs
advertizing in bus. 659.1327–8
concert music 780.73
engraving 769.5
school celebrations 371.365
Progress
and church religion 261.6
book school records 371.2
history 901
social
and crime sociology 364.252
sociology 301.1535

Progression algebra 512.6
arithmetic 511.6
Progressive Friends
[1] **Quakers** 289.6
Prohibited words games 793.72
Prohibition
amendment, 1919
US constitutional law 342.73
history 973.913
party US politics 329.81
temperance 178.5
Project method education 371.36
Projectile
detonators ordnance 623.45424
fuzes " 623.45423
Projectiles
deviation of
astronomy, terrestrial 525.37
ballistics 623.54
effect of ballistics 623.56
illuminating ordnance 623.45446
ordnance 623.451
physics 531.55
Projection
cinematic photography
stereoscopic 778.5541
color photography 778.65
of shadows
geom. perspective 515.63
signs advertizing 659.136
photography 778.2
cinematic 778.55
stereoscopic 778.45
printers photography 771.318
rooms " 771.27
Projections
analogous geom., descr. 515.2
autonomic
plant movements 581.1856
cartography 526.8
conic geometry, descr. 515.4
spheric " " 515.56
cylindric " " 515.57
geometry, analytic 516.57
descriptive 515
isometric geom., descr. 515.2
mechanical drawing 744.45
oblique geom., descr. 515.3
polyconic " " 515.56
Prolapsus funis
obstetrics 618.58
Prolegomena 000
Proletariat
economics 331.8
intellectual economics 331.71
social classes 323.33
Promenades
city planning 711.74
landscape construction 713.73
Prominences, solar
astronomy 523.75
Promise ethics 174.7
Promiscuity sex customs 392.6
Promissory notes
commercial law 347.7
financial economics 332.77
Promontories lands. art 714.26
Promoters bus. finance 658.142
Promotion
labor economics 331.125
library government 023.2
military 355.112
of industrial enterprize business 658.11
students 371.28
Prompting
by teachers educ. meth. 371.35
student ethics 371.81
Pronatores anatomy 611.7374
Pronephros " 611.618
Prongbuck (Antilocapridae)
domestic animals 636.2938
Pronghorn (Antilocapridae)
mammalogy 599.73582
Pronouns
English etymology 422.7
[3] other lang. —27
morphology 425.17
[3] other lang. —517
syntax 425.7
[3] other lang. —57
Pronunciation
English language 421.5–.6
[3] other " —15–16
oratory 808.5
philology 411.5–.6
voice culture 784.93
Proof legal procedure 347.94
Proofing photolithography 775.5
photomechanics 774.5
Proofreaders illusion
physiology 612.8437413
psychology 152.137413
Proofreading lit. methods 029.6
printing 655.25

Propaganda
  books library gifts 025.227
  in education 370.1
  military science 355.23
  periodicals journalism 070.485
  sociology 301.1523
  see also Publicity
Propagandism
  library 021.79
  religious comp. theol. 291.7
Propagation
  aids apiculture 638.146
  appliances farming 631.335
  artificial botany 581.1658
  of light optics 535.2
    magnetism physics 538.2
    plants agriculture 631.53
    sound physics 534.2
  radio waves 621.384112
  zootechny 636.0824
Propagules
  vegetable generation 581.1655
Propeller shaft drive
  motor vehicles 629.2453
Propellers
  aircraft construction 629.13436
Propelling machinery
  shipbuilding 623.87
Propensities phrenology 139.222
Properties, transcendental
  ontology 111.8
Propertius, S A
  Latin lyric poetry 874.4
Property
  attachment of priv. law 347.7
  care by employes
    library economy 023.94
    office " 651.444
  church political sci. 322
  conscription of
    military science 355.21
  literary private law 347.3
    see also Copyright
  local taxation 352.1
  monastic church hist. 271
  movable private law 347.3
  prot'n aircraft service 629.13844
  public civil service 351.71
  qualification suffrage 324.13
  real private law 347.2
  rights city planning 711.172
    political sci. 323.46
  state finance 336.1
Property (cont.)
  tax
    classified pub. fin. 336.213
    general " " 336.212
    personal " " 336.23
    real " " **336.22**
  theory of socialism 335.01
Prophase veget. cytology 581.876232
Prophecies, Messianic
  Christology 232.12
Prophecy Bible 220.1
  psychology 133.3
Prophetic
  books Bible 224
    pseudepigrapha 229.913
  dreams psychology 135.323
Prophets comparative relig. 291.63
Prophylaxis hygiene 613–614
  medicine 616
Propolis
  apicultural nat. hist. 638.1216
  plants apic. pasturage 638.1398
Proportion
  algebra 512.6
  architectural elevations 729.13
    plans 729.23
  arithmetic 511.6
  drawing composition 741.432
  esthetics 701.17
    see also specific subject
Proportional
  representation suffrage 324.224
Proportions of objects
  landscape art 712.26
Proprietary
  churches architecture 726.56
[1] **libraries** 027.2
  reservations nat. lands. 719.32
Proprietorship
  individual business 658.1141
Proprioceptive senses
  physiology 612.885
  psychology 152.6735
Props plant support 631.3452
  training 631.5461
Propulsion
  and plant dissemination
    botany 581.52265
  shipbuilding 623.81
Prorocentraceae botany 589.97332
Prorogation legislature 328.356
Proscription crim. law 343.2
Prosencephalon anatomy 611.813

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Prosenchyma veget. histol. 581.821
Prosimiae mammalogy 599.81
Prosit social customs 394.1
Prosobranchia zoology 594.32
Prosody English language 426
[3] other " —6
philology 416
Prosos (Paniceae)
field crops 633.173
Prospecting
aircraft service 629.13862
mining engineering 622.12
Prospectuses
direct advertizing 659.133
industrial management 658.113
in specific fields
[2] see subject —085
Prostantheroideae
(Labiatae) botany 583.891
Prostate gland anatomy 611.637
pathology 616.65
physiology 612.617
Prostatic urethra anat. 611.6231
Prostitution
administrative control 351.764
ethics 176.5
hygiene 613.87
Prostration, nervous
medicine 616.843
psychology 132.143
Protagoras philosopher 183.1
Protaminic nucleus
physiology of nutrition 612.398191
Protamins
physiology of nutrition 612.398138
Proteales botany 583.932
Protection
agriculture 632
floriculture 635.92
forest planting 634.95656
forestry 634.96
from pests dom. econ. 648.7
means animal ecology 591.57
biology 575.37
vegetable ecology 581.57
of bees apiculture 638.159
self-, bees' " 638.12157
tariff 337.3
viticulture 634.82
Protective
devices
aircraft 629.1344
central telephony 621.38794
electric lines 621.3198
stations 621.3178
Protective (cont.)
devices (cont.)
local elec. lighting 621.3288
radio antennas 621.38413589
circuits 621.38413386
transmitting 621.38413192
telegraphy 621.38328
terminal telephony 621.38694
see also Safety devices
works
forest engineering 634.9347
Protectograph
banking 332.98
office economy 651.26
Protectorate, 1653–60
English history 942.064
Protectorates
colonization 325.312
political science 321.027
Proteid synthesis
physiologic botany 581.13345
Proteids
as food domestic econ. 641.12
physiology of nutrition 612.398145
Proteins silk industry 677.472–.473
Protelidae mammalogy 599.74426
Proteolytic ferments
botanic chemistry 581.19343
in gastric juice physiol. 612.3215
physiologic chemistry 612.01513
physiology of nutrition 612.3983
Proterozoic period geol. 551.71
Protestant
continental creeds
doctrinal theology 238.4
[1] **Episcopal church 283**
and persecution
church history 272.6–.7
brotherhoods 271.83
creed doc. theol. 238.3
percecution
by English history 942.055
of " " 942.054
sisterhoods 271.983
[1] **Methodist church 287.7**
reformation
see Reformation
Protestantism
and Catholicism
sectarian history 282
relig. art eccles. 246.4
continental sect. hist. 284
Protestants, French
persecutions of ch. hist. 272.4

Protevangelium Christol. 232.121
Prothesis church archi. 726.596
Protista botany 589.7
Protoarticulatales (Protocalamaricaceae) bot. 587.2122
Protoascineae botany 589.2362
Protobasidiomycetes (fungi) " 589.223
Protocalamaricaceae
botany 587.2122
paleobotany 561.72122
Protocaliciineae botany 589.2334
Protococcaceae " 589.47523
Protococcales " 589.475
Protodiniferidae " 589.973237
Protodiscineae " 589.237
Protomastigales " 589.9746
Protomycetes " 589.229
Protonotario, Stefano
Italian poetry 851.11
Protoparce celeus
(Sphingina) botany 595.788
see also Tomato worm
Protopathic sensibility
physiology 612.88
psychology 152.571
Protophyta botany 589.7
Protopityaceae " 585.952
paleobot. 561.5952
Protoplasm
biology 574.17
botanic histogenesis 581.17
metabolism 581.13372
cellular physiology 612.01421
cytology 611.01811
muscular physiology 612.71
origin of life 576.2
segmentation of vegetable cytology 581.87624
vegetable cytology 581.873
zoology 591.17
Protoplasmic
growth botany 581.1342322
movements " 581.186
Protosiphonaceae " 589.47523
Protosomites embryology 611.01361
Prototaxitaceae botany 589.454
paleobot. 561.9454
Protothecaccae botany 589.47522
Prototrophy " 581.55723
Protovertebrae embryology 611.01361
Protozoa paleozoology 563.1
zoology 593.1
Protozoan diseases
pathologic botany 581.2333
Protractors
mechanical drawing 744.3
Protyle, theory of chem. 546.01
Provençal
[4] **language** 449
Romanesque architecture 723.449
swine (Suidae) dom. anim. 636.447
Provence history 944.9
Proverbs, acted recrea. 793.24
book of Bible 223.7
folklore 398.9
Providence
county, RI history 974.51
divine doctrinal theol. 231.5
Island history 969.45
natural theology 214
Provident societies
buildings architecture 728.46
cooperative economics 334.7
welfare work 361
Provinces regional plan. 711.33
Provincial
forest policy agric. 634.92524
government Ger. admin. 352.04301
newspapers journalism 070.234
ownership of land econ. 333.124
reservations nat. lands. 719.32
see also State
Provincialisms
English language 427
[3] other " —7
Provost
d'Exiles, A F Fr. fict. 843.53
marshals mil. science 355.133
Prow aircraft constr'n 629.13431
Prowers co., Colo hist. 978.898
Proximal phalanges
manual anatomy 611.71791
pedal " 611.71891
Proxy system suffrage 324.223
Proyart Eur. w., 1918, Mar. 940.4341
Aug. 940.4353
Prunaceae botany 583.37
Pruner agricultural tools 631.3421
Pruning
agriculture 631.542
natural veget. ecol. 581.52414
silviculture 634.9537
tools agriculture 631.342
Prunus
(Rosaceae)
fruitculture 634.2
nuciculture 634.55
salicina (Rosaceae)
fruitculture 634.16

Prunus (cont.)
triflora (Rosaceae)
fruitculture 634.16
Prusa, *see* Bursa
Prussia
history 943.1
Rhenish history 943.42
rise of German hist. 943.05
Prussian, old, language 491.91
Saxony hist. 943.18
Prussic acid pharmacy 615.34
toxicology 615.962
Prytz, A J Swed. drama 839.7223
Przemysl Eur. w., 1914 940.4225
1915 940.4253
history 943.74
Psalmody sacred music 783.9
Psalms
Bible 223.2
hymnology 245
Messianic prophecies in
Christology 232.125
Psalter Catholic ritual 264.028
Greek " 264.0198
Prot. Epis. " 264.038
etc.
Psaronieae botany 587.38
paleobotany 561.738
Pseudepigrapha, Biblical 229
Pseudo-
for topics not listed below see distinctive part
borniales botany 587.22
paleobotany 561.722
coele anatomy 611.8139
neuroptera agric. pests 632.73
entomology 595.73
raphideae botany 589.623
scorpiones zoology 595.47
solanoideae
(Scrophulariaceae) bot. 583.81
sporochnaceae
(Psilophytales) " 587.45
Pseudomorphs
crystallography 548.6
Pseudonyms bibliography 014
Psidium (Myrtaceae)
fruitculture 634.421
Psilophytales botany 587.45
paleobot. 561.745
Psilotales botany 587.4
Psittacidae ornithology 598.71
Psoas anatomy 611.73813
Psoraleae (Fabaceae)
botany 583.322
field crops 633.375
Psychasthenia medicine 616.8522
psychology 132.1522
Psychiatric
hospitals sociology 362.2
method criminology 364.3018
Psychiatry medicine 616.8
Psychic
fringe and attention 152.723236
influence on gastric
secretion physiology 612.3281
phenomena psychology 133–135
photography fine arts 778.8
reflexes
physiology of brain 612.8216
research metapsychology 133.07
Psychism spiritism 133.9
Psychoanalysis 131.34
Psychoanalytic
dream interpretation 135.383
method criminology 364.3018
theories of dreams 135.30164
memory 154.0165345
Psychochronometry psychol. 152.83
Psychodometers psychom. 152.8322
Psychogalvanic
reflex
comparative psychology 151.3072588
method emotion study
psychology 157.072586
Psychography photography 778.8
spiritism 133.922
Psychogram
characterology 137.3
psychologic measurements 151.264
Psychologic
connections psychology 153.2
measurements 151.2
childstudy 136.702
methods 150.18
experimental 150.725
norms 151.263
research 150.72
systems 150.19
tests 151.2
childstudy 136.702
criminology 364.3018
Psychologists biography 921
Psychology 130 & 150
abnormal 132
childstudy 136.76
medicine 616.8

Psychology (cont.)
adolescent 136.7354
adult 136.5
animal 151.3
zoology 591.51
applied 150.13
art fine arts 701.15
see also specific arts
biologic theories of 150.157
chemic " " 150.154
child 136.7
collective sociology 301.15
comparative 151.3
physiology 612.82131
configurational 150.1924
continental 136.241
correlational 151.265
criminal 150.1336434
sociology 364.34
cutaneous 152.5.
differential 136–139
dynamic 150.1932
economic 150.1333
sociology 330.11
educational pedagogy 370.15
emotional 157
endocrine 150.1942
environmental 136.2
ethnic 136.4
evolutional 136.3
existential 150.192
experimental 150.72
faculty 150.1922
functional 150.193
genetic 136
hedonic 150.19332
hormic 150.19333
individual 137
infant 136.7352
insular 136.242
mechanistic theories of 150.1531
musical 152.2874
fine arts 781.1
physiology of hearing 612.85874
[1] national 136.49
of advertising bus. 659.10115
fashions dom. econ. 646.01
labor economics 331.011
psychology 150.13331
orologic 136.243
pathologic 132
childstudy 136.76
medicine 616.8

Psychology (cont.)
physiologic 131
medicine 612.821
pubescent 136.7354
purposive 150.1933
qualitative methods 150.72534
quantitative 152.8
methods 150.72535
racial 136.4
rational 150.1
rural 136.264
sexual diff. psychol. 136.1
social sociology 301.15
structural 150.192
subliminal 153.8
suburban 136.263
topographic 136.24
transcendental 133
urban 136.262
Psychomancy divination 133.3
sorcery 133.4
Psychometry
clairvoyance 133.833
divination 133.3
physiology of brain 612.8211
psychology 152.83
spiritism 133.93
Psycomotive centers
see Cerebral localizations
Psychoneural parallelism 130.16
Psychoneuroses medicine 616.85
psychology 132.15
Psychopathic personality
childstudy 136.76222
psychology 132.22
Psychopathology
childstudy 136.76
medicine 616.8
psychology 132
Psychopathy, sexual
psychology 132.75
Psychophysical
conjunction psychology 136.301
laws
physiol. of sensation 612.82188
reaction time psychom. 152.8343
theories of sensation
psychology 152.0166
Psychophysics psychology 152.82
Psychophysiology 131
Psychoscopy clairvoyance 133.833
Psychoses medicine 616.8
psychology 132.1
see also qualifying or specific terms

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Psychosomatic organism
psychology 150.1925
Psychotherapy hypnotism 134.8615851
psychology 131.324
Psychrometry meteorology 551.57
Psyllidae entomology 595.7527
Pterantheae botany 583.1546
Pteridophuta " **587**
Pteridospermae " **585.95**
paleobot. 561.595
Pterobranchia zoology 594.73
Pterobryaceae botany 588.21532
Pterodactyl herpetology 598.18
paleozoology 568.18
Pteropoda zoology 594.4
Pterosauria herpetology 598.18
paleozoology 568.18
Pterostemonoideae
(Saxifragaceae) botany 583.381
Pterygoid muscles anat. 611.73273
Ptilidioideae botany 588.311
Ptolemy 2, Philadelphus
version Bible 221.48
Ptomains
physiology of nutrition 612.398195
urine 612.461262
toxicology 615.94
Ptyalin
and pancreatic digestion 612.3423
physiology 612.3132
Ptychomitriaceae botany 588.21535
Ptychomniaceae " 588.21532
Puberty physiology 612.661
psychology of 136.7354
Pubic joints anatomy 611.7281
Pubis " 611.71813
Public
accounts administration 351.72
administration sociol. 350
affairs sermons
homiletics 252.6
agencies & city planning
civic arts 711.173
aid to schools educ. 379.121
annuities polit. econ. 336.35
baths architecture 725.73
city planning 711.668
hygiene 613.47
begging admin. control 351.763
buildings
architecture 725
care of dom. econ. 647.96
city planning 711.661
Public (cont.)
buildings (cont.)
civil service 351.71
grounds of lands. art 712.58
local government 352.5
catalogs bibliography 017–019
charity admin. regula. 351.84
official 361.6
private 361.7
sociology 361
credit
control & limitation 336.346
political economy 336.34
customs sociology 394
debt
cancelation
gov't finance 336.36
economic
burden & effects 336.345
political economy 336.3
defenders charity 361.4
diversions ethics 175.1
documents
deposited in libraries 021.841
of special countries
1 **political science 328**
printing & distrib. of
publishing 655.59
education
see Education, public
enterprizes, state
federal grants in aid 336.18
entertainments
domestic economy 642 45
equipment & supplies
sale of finance 336.12
expenditures,
expenses, etc. finance 336.39
finance
see Finance, public
financing gov't credit 336.344
gaming admin. control 351.762
ethics 174.6
gardens landscape art 712.56
grounds " " 712.5
halls hyg. of dwellings 613.55
health 614
city planning 711.13
forest effects on agric. 634.9232
local government 352.4
service aircraft 629.13861
houses architecture 725.72
insolvency gov't credit 336.368

Public (cont.)
interests and labor econ. 331.9
land
strip, Okla hist. 976.612
see also Land, public
law **sociology** 340
[1] **libraries** 027.4
administrative regula. 351.852
arguments for & against 021.01–.02
library commissions 027.4061
loans polit. econ. 336.3
manners admin. control 351.76
notes financial econ. 332.53
officers
children, care of
sociology 362.75
civil service 351.1
duties of ethics 172.2
recall of 351.9
offices architecture 725.132
opinion
and law enforcement
criminology 364.252
crime prevention 364.48
sociology 301.154
order administration 351.75
penance ordinances 265.67
property
administration 351.71
rights city planning 711.172
recreation city plan. 711.13
relations advertizing 659.111
safety
administration 351.75
city planning 711.13
sanitation medicine 614
schools
see Schools, public
service
commissions commerce 380.61
corp. & city planning 711.173
shows social customs 394.2
solvency gov't finance 336.346
speaking oratory 808.5
spirit ethics 172.1
political sci. 320.158
squares hygiene 614.783
status, teachers' 371.104
support education 379.11
utilities
acquisition city plan. 711.172
commerce 380
ownership & control of 380.166

Public (cont.)
vs institutional poor relief charity 362.5
priv. schools educ. 379.3
washhouses architecture 725.196
welfare, *see* Welfare
work shops architecture 725.195
works
areas city zoning 711.551
convict labor 365.65
employes economics 331.795
government relief 331.61
local government 352.5
worship theology 264
Publication of music
fine arts 781.98
Publications
commercial
in specific fields
[2] see subject —085
general, of academies, societies, etc.
in specific fields
[2] see subject —06
library administration 025.12
Publicity
advertizing 659.111
city planning 711.12
election expenditures 324.273
free advertizing 659.116
landscape art firms 712.31
movement 712.13
library 021.74
school education 371.2
Sundayschool 268.145
committees 268.34
see also Advertizing, Propaganda
Publishers 655.4069
and authors business 655.52
[1] **author catalogs 015**
biography 920.4
Publishing
business 655.5
cost of mfg bookselling 655.54
[1] **history of 655.4**
in Judea 655.433
Philadelphia 655.474811
Switzerland 655.4494
etc.
societies business 655.58
syndicates journalism 070.26
Pucci, Antonio It. wit 857.14
Pucciniaceae botany 589.225

Pudendal plexus anatomy 611.8359
Pudic artery " 611.13775
Puebla history 972.4
Pueblo co., Colo " **978.855**
plan educ. meth. 371.394
Pueblos archeology 571.85
Puerperal
fever obstetrics 618.72
public health 614.545
state obstetrics 618.6–.7
Puerto
Rican hat palm
(Palmaceae) fiber crops 633.584
Rico
acquired, 1898 US hist. 973.891
history 972.95
Puff, Pindar, *pseud.*
American wit 817.25
Puffballs
hard (Sclerodermeae) bot. 589.2219
(Lycoperdineae) " 589.2217
Puff-bird (Picidae) ornithol. 598.72
Puffin (Pygopodes) " 598.44
Pug pile foundations
architecture 721.171
Puget Sound
navy yard, Wash hist. 979.7761
Washington " **979.77**
Pugilism athletics 796.83
ethics 175.6
Puissant's deduction
geodetic formulas 526.48
Pujol Catalan poetry 849.9136
Pulaski co., Ark hist. **976.773**
Ga " 975.852
Ill " 977.3998
Ind " 977.2925
Ky " 976.963
Mo " 977.857
Va " 975.5775
Pulci, Luigi It. wit 857.22
Pulled rugs fancywork 746.74
Pulley
boxes archi. constr'n 721.862
mechanics 531.84
Pulleys
door & window constr'n 721.891
mechanical engineering 621.856
Pulling by mot. veh. eng. 629.284
Pullman car
factories architecture 725.454
fares railways 385.132256
Pulls
door & window constr'n 721.892
Pulmonary
absorption of liquids 612.2159
artery anatomy 611.131
circulation
blood pressure in 612.148
elasticity physiology 612.212
muscles " 612.2153
nerves anatomy 611.831918
respiration animal 591.127
veins anatomy 611.141
ventilation physiol. 612.2162
Pulmonata zoology 594.38
Pulmones anatomy 611.24
Pulmotor physiology 612.2321
public health 614.812–.82
surgery 617.18
therapeutics 615.64
Pulp mills architecture 725.46
Pulpit
ecclesiastic polity 262.1
platform church archi. 726.593
Pulpits architecture 729.92
ecclesiology 247.1
Pulpwood forest products 634.983
Pulsard grape vitic. 634.8544
Pulse
diagnosis pathology 616.0751
family (Leguminosae) bot. **583.32**
physiology 612.16
venous physiology 612.1342
Pulverization prac. chem. 542.22
Pulverizer farm harrows 631.3134
Pulvination wall constr'n 721.273
Pumice stone geol., econ. 553.69
petrology 552.23
Pump
Archimedes' physics 532.8
houses architecture 728.995
wells waterworks 628.12
Pumping
by compressed air eng. 621.546
engines mech. " 621.64
rams, hydraulic
mechanical eng. 621.273
stations
architecture 725.193
city planning 711.661
sewerage engineering 628.29
water supply 628.11–.12
Pumpkins (Cucurbitaceae)
field crops 633.39
garden " 635.624
Pumps
agricultural reclamation 631.65

Pumps (cont.)
condensing pneumatics 533.83
cooling mot. veh. engine 629.2567
draining mining 622.53–.54
force pneumatics 533.84
gas compression 542.78
rarefaction 542.77
hydraulic
injection mech. eng. 621.267
mechanical engineering 621.252
jet- practical chem. 542.9
locomotive boilers 621.1339
motor vehicle equipment 629.2724
pneumatics 533.5
ship outfit 623.86
steam engineering 621.1973
suction pneumatics 533.85
Punch and Judy recrea. 791.5
Punching
coins 332.419
machines mech. tools 621.96
shop engineering works 621.792
tools office fittings 651.4651
Punctariaceae botany 589.457
Punctuality office econ. 651.4212
Punctuation
English language 421.9
[3] other " —19
office correspondence 651.74
Punctures surgery 617.144
Punic
language 492.6
literature 892.6
wars Roman history 937.04
Punicaceae botany 583.412
Punishment
and reward doc. theol. 233.4
corporal
school discipline 371.55
criminal law 343.2
effect of crim. psychol. 364.34
eternal doc. theol. 237.7
future " " 237.6
military discipline 355.133
prison administration 365.644
school discipline 371.54
Punitive labor prisons 365.65
Punjab history 954.5
[4] Punjabi, language of 491.42
Punting water sports 797.123
Pupa animal embryology 591.34
Pupil
and nerves psychology 152.122
school, *see* Student
Pupillary reflex
physiology 612.8421
psychology 152.121
Pupillometers physiology 612.84211
psychology 152.1211
Pupin coils telephony 621.38786
Pupipara entomology 595.774
Puppets, moving adver. 659.138
recreation 791.5
Purchase of
animals zootechny 636.08112
territory polit. sci. 320.1267
Purchased parts
industrial storage 658.7852
Purchasing
cooperative economics 334.5–.6
power parities
foreign exchange 332.45
managed currency 332.56
Pure food standards
public health 614.3
Purgatives
physiol. of intestines 612.3344
therapeutics 615.7323
Purgatory eschatology 236.5
Purification of wastes
by soil industrial san. 628.546
Purifiers
feedwater steam eng. 621.1972
mot. veh. lubrication 629.2556
Purin
physiology of nutrition 612.398195
Purism painting schools 759.915
[1] Puritanism sect. hist. 285.9
Puritans
English church history 274.2
history 942.06
New England history 974
persecutions by
church history 272.8
US history 973.2
Purkinje
figures physiology 612.8434
psychology 152.134
phenomenon
photography 771.5345
physiology 612.843633
psychology 152.13633
Purple coloring matter
secretion botany 581.14446
Purpose
and attention psychol. 152.723235
force psychoanal. 131.3463
ethics 171

Purpose (cont.)
metaphysics 124
of subject
[2] see subject —011
viewpoint
in specific fields
[2] see subject —001
Purpura lapilla
(Prosobranchia) agric. 638.38
Purslane (Portulacaceae)
garden crops 635.46
sea- (Aizoaceae)
botany 583.475
Pursuit mil. maneuvers 355.53
tactics 355.422
Pus surgery 617.22
Puseyism sectarian hist. 283
Push hoe farming 631.3152
plates
archi. constr'n 721.894
Push-ball sports 796.33
Pushmataha co., Okla hist. 976.665
[4] **Pushtu language** 491.58
Pusley (Portulacaceae)
garden crops 635.46
Puss-in-the-corner
children's games 796.14
Pustular affections
of skin pathology 616.52
Putamen anatomy 611.81322
Putnam co., Fla history 975.917
Ga " 975.8576
Ill " 977.3375
Ind " 977.249
Mo " 977.823
NY " 974.732
O " 977.118
Tenn " 976.867
WVa " 975.435
Putrefaction
biology 577.74
urinary physiology 612.4667
Puts stock & commodity
trading 332.64
Putting out system
production 338.65
Puyallup Indian
reservation, Wash hist. 979.778
Puy-de-Dôme history 944.591
Puzzles recreation 793.73
Pycnogonidea
(Pantopoda) zoology 595.315
Pycnometers hydraulics 532.4
prac. chem. 542.33
Pyemia obstetrics 618.74
pathology 616.943
Pygmies, *see* Dwarfs, Gnomes
Pygopodes ornithology 598.44
Pylons architecture 725.39
Pyloric artery anatomy 611.13641
vein " 611.1493
Pylorus " 611.334
Pyorrhea alveolaris
dentistry 617.63
Pyramidal
decussation anatomy 611.8181
roofs archi. constr'n 721.592
tract, crossed anatomy 611.8252
vaulting
arched constr'n 721.456
Pyramidalis anatomy 611.7362
nasi " 611.7323
Pyramiding
stock & commodity trading 332.64
Pyramids
architecture 726.85
athletics 796.43
Egyptian antiquities 913.32
geometry 513.35
Pyrenees Mts history 946.5
Orientales " 944.89
Pyrenese sheep (Bovidae)
domestic animals 636.346
Pyrenidiaceae botany 589.16
Pyrenocarpeae " 589.16
Pyrenolichenes " 589.16
Pyrenomycetineae " **589.235**
Pyrenopsidaceae " 589.171
Pyrenothamniaceae " 589.16
Pyrenotrichaceae " 589.16
Pyrenulaceae " 589.16
Pyrheliometer astronomy 522.56
Pyrites mineralogy 549.3
Pyroelectric conductors
radio materials 621.38417943
Pyrography fine arts 736.46
Pyrolaceae botany 583.631
Pyrolatry comp. relig. 291.2126
Pyroloideae botany 583.631
Pyromania psychology 132.64
Pyrometers steam eng. 621.1977
Pyrometry thermology 536.52
Pyronemataceae botany 589.2332
Pyrosoma zoology 594.95
Pyrotechnic lights phot. 771.448
Pyrotechnics
chemic technology 662.1
use in advertizing 659.135

Pyrotheria mammalology 599.655
paleozoology 569.655
Pyrrho philosopher 186.1
Pyrus malus (Rosaceae)
fruitculture 634.11
(Rosaceae)
fruitculture 634.13
Pythagorean group philos. 182.2
Pythiaceae botany 589.252
Pythians divination 133.322
Greek mythology 292
Pythias, Knights of
secret society 366.2
Pyx, trial of the
financial economics 332.46
Pyxie (Diapensiaceae) bot. 583.65

Q

'Q' boats European war 940.4516
Qalyûbîya history 962.16
Qena " 962.33
Quackery
medical public health 614.26
psychology 133.7
Quadralets games 793.74
Quadrant
artillery accessories 623.4621
astronomic instrument 522.41
Quadrate lobe anatomy 611.81318
Quadrature
calculus 517.33
of circle geometry 513.21
Quadratus femoris anat. 611.73819
lumborum " 611.7368
menti " 611.7326
plantae " 611.7389
Quadrennial legislature
political science 328.353
Quadric surfaces
geometry 513.58
analytic 516.58
Cartesian 516.42
Quadriceps femoris anat. 611.73822
Quadricycles engineering 629.2274
Quadrigeminum anatomy 611.8153
physiology 612.8265
Quadrilateral
adjustment of geodesy 526.52
Quadrilaterals geometry 513.15
Quadrilles dances 793.34
music form 781.508525–526
Quadripartite vaults
arched construction 721.44
Quadrumana mammalology 599.8
Quadrupeds " 599
Quadruplex
system telegraphy 621.38234
telegraphs business 654.2
Quagga (Equidae) dom. anim. 636.184
Quahaug (Lamellibranchiata)
fisheries 639.4
Quail (Gallinae) zoology 598.61
Quakers
persecutions of
by Puritans ch. hist. 272.8
[1] **sectarian history** 289.6
Qualitative anal. chem. 544
Quality
control shop manage. 658.562
office materials 651.461
ontology 111
Qualla Indian reservation
North Carolina history 975.694
Quantics algebra 512.87
Quantitative anal. chem. 545
Quantities
and cost
building industry 692.5
in other specific fields
[2] see subject —00032
imaginary algebra 512.24
Quantity
cosmology 119
English prosody 426.1
[3] other lang. —61
meters electric eng. 621.3745
office materials 651.462
Quantum theory physics 530.1
Quarantine
for plants agriculture 632.93
laws local government 352.4
public health 614.46
Quarrels window constr'n 721.848
Quarries, neolithic
archeology 571.21
Quarry bldgs architecture 725.431
Quarrying
areas regional planning 711.32
mining 622.22
Quarrymen's occupation
hygiene 613.66
Quarter phase electric
transmission eng. 621.319132
Quartermasters mil. staff 355.34

Quarters and location
viewpoint
in specific fields
[2] see subject —006
Quarter-staff fencing
sports 796.862
Quarto shelving lib. econ. 022.445
Quartz
geology, economic 553.8
mineralogy 549.65
petrology 552.45
receptacles chemistry 542.231
Quaternary period geol. **551.79**
Quaternions geom., anal. 516.8
Quathlamba Mts history 968.61
Quattrocento architecture **724.14505**
Quay bldgs architecture 725.34
ports commerce 387.143
Quays city planning 711.764
harbor engineering 627.3
Quebec
act, 1774 Can. hist. 971.02
Canada
city, capture of, 1759
US history 973.26
county, Que history **971.447**
province " **971.4**
Jersey cattle (Bovidae)
domestic animals 636.2834
Queen
Anne
architecture **724.142069**
American **724.173**
[1] **revival** **724.5991**
furniture fine arts 749.222
Anne's war US hist. 973.25
Annes co., Md " 975.234
apiculture 638.12155
cages apiculture 638.1427
Charlotte islands
Brit. Columbia hist. 971.1
clipping apiculture 638.14623
flight of " 638.12156
introduction of " 638.1456
mating of " 638.1455
rearing " 638.1455
shipping of " 638.1455
[1] **Queens biography** **923.1**
co., Ire. hist. 941.87
NB " 971.542
NY " 974.724
NS " 971.624
PEI " **971.74**
Queensland
Australia history 994.3
Queenstown
Cape Colony " 968.776
Ireland " 941.95
Ontario, battle, 1812
US history 973.5233
Quento Settano, *pseud.*
Italian wit 857.57
Quercineae (Fagaceae) bot. 583.977
Quercus (Fagaceae) forestry 634.9721
Quercy swine (Suidae)
domestic animals 636.445
Querétaro history 972.4
Querimba islands " 967.91
Querulance, pseudo-
childstudy 136.7622223
psychology 132.2223
Querulous paranoia
medicine 616.89726
psychology 132.19726
Quesnes de Béthune
French poetry 841.15
Questioning
art of educ. methods 371.35
Questions in specific
[2] fields see subject —076
Quevedo y Villegas, F G de
Spanish wit 867.3
Quicksand foundations
architecture 721.11
Quicksilver, *see* Mercury
Quicksteps music form 781.5084
Quiddity ontology **111.12**
Quiescent periods
vegetable phenology 581.5436
Quiet zones city plan. 711.555
Quietism heresies 273.7
Quietists, persecution of
church history 272.5
Quiinaceae botany 583.165
Quilimane history 967.94
Quillayute Indian
reservation, Wash " 979.799
Quillworts (Isoetaceae) bot. 587.1
Quilted counterpanes mfg 677.62
Quilting fancywork 746.46
Quilts home economics 645.67
Quinault Indian
reservation, Wash hist. 979.795
Quince (Rosaceae)
fruitculture 634.14
Quincy, Ill history 977.344
system education 371.47

Quinet, Edgar Fr. essays 844.81
Quinin therapeutics 615.75
Quinones organic chem. 547.6
Quinsy pathology 616.31
Quintain games 796.2
water sports 797.25
Quintana, M J Sp. poet. 861.51
Roo history 972.6
Quintilianus, M F
Latin oratory 875.6
Quitman co., Ga history 975.8924
Miss. " 976.245
Quitting labor economics 331.13
Qumbu history 968.637

Quoits games 796.24
Quota system immigration 325.154
suffrage 324.224
Quotas, export tariff 337.33
import " 337.34
transit " 337.35
Quotations
literary 808.8
American 818
English 828
[3] other —8
stock exchange
financial economics 332.61
in specific fields
[2] see subject —0822

R

Rabat history 964.3
Rabbinic learning Judaism 296
Rabbit
Ears Range, Colo hist. 978.866
hair
industry 677.35
textiles dom. econ. 646.13
hutches architecture 728.946
Rabbits (Rodentia)
dom. anim. 636.9
Rabelais, François Fr. wit 847.32
Rabener, G W German wit 837.61
Rabies, *see* Hydrophobia
Rabun co., Ga. history 975.812
Racan, Honorat de Bueil
French poetry 841.43
Raccoon
grape viticulture 634.8445
Mountains, Ala history 976.16
(Procyonidae) mammalogy 599.74443
Race and celibacy demog. 312.5
citizenship
political sci. 323.63
marriage demog. 312.5
betterment hygiene 613.94
crossing zootechny 636.082432
horse (Equidae)
domestic animals 636.12
sports 798.4
mortality
demography 312.2
public health 614.144
problems colonization 325.315
suffrage requisites 324.15
track bldgs archi. 725.892

Racemose cherry (Rosaceae)
fruitculture 634.24
glands anatomy 611.692
Races
and breeds zootechny 636.08211
[1] state **polit. sci.** 323.1
coeducation of 371.99
color in somatology 573.5
demography 312.9
equality of polit. sci. 323.41
ethnology 572–573
hydraulic mech. eng. 621.29
immigration limitations 325.154
libraries for different 027.63
of criminals sociology 364.335
Racettes palmistry 133.6433
Rachel, Joachim Ger. wit 837.52
Racial
basis of nation
political science 320.121
birth rate 312.1
centers city planning 711.588
conflicts and crime
sociology 364.256
literatures 808.898
US 818.92
music 781.7
psychology 136.4
segregation in schools 371.97
polit. sci. 323.41
studies art anatomy 743.42
Racine, J B Fr. drama 842.45
Louis Fr. poet. 841.52
co., Wis hist. 977.596

Racing
animals recreation 798.8
boat sports 797.14
ethics 175.7
horse sports 798.4
motor vehicle operation 629.2822
stables architecture 728.941
Rack railways commerce 385.623
engineering 625.33
Racket
ball games
indoor recreation 794.7
outdoor sports 796.34
cord manufactures 677.74
Racketeering labor econ. 331.8808
Racks library fittings 022.935
office " 651.4656
Radford, Va history 975.5786
Radial
nerve anatomy 611.8337
return syst. telephony 621.38534
Radiant points, meteoric
astronomy 523.53
Radiata paleozoology 563.2
zoology 593.2
Radiation
effects
phot. sensitometry 771.5345
of heat thermology 536.33
optics 535
radio waves 621.384114
solar 523.72
thermal physiology 612.52
Radiators
building industry 697.4–.5
fine arts 749.62
motor vehicle engines 629.2565
sanitary engineering 628.8
Radical axes geometry 513.54
Radicals chem., theor. 541.6
Radicle, embryonic bot. 581.3328
Radicula armoracia (Brassicaceae) field crops 633.846
Radicular fibers, spinal
anatomy 611.8268
Radio
activities, amateur 621.384194
administrative control 351.817
apparatus, external
city planning 711.83
applications 621.38419
radiotelegraphy 621.3844
radiotelephony 621.3847
special 621.3841926
Radio (cont.)
broadcasting adver. 659.14
broadcasts, types of 621.3841938
business 654
censorship of
political science 323.443
circuits engineering 621.38412
communication systems
engineering 621.38415
radiotelegraphy 621.38425
radiotelephony 621.38455
control by 621.384196
educational methods 371.333
electricity 537.82
engineering 621.384
equipment
engineering 621.38413
radio manufactures 621.384182
radiotelegraphy 621.3843
radiotelephony 621.3846
frequency
see Frequency, high
helmets on aircraft
engineering 621.38419142
manufactures eng. 621.38418
materials
properties of " 621.384179
radio manufactures 621.384182
military engineering 623.732–.733
motor vehicle equipment 629.279
news channels
journalism 070.4311
receiving
apparatus 621.384136
from aircraft eng. 621.38419144
on " " 621.38419142
recreation 791.4
services, commercial 621.384192
industrial 621.3841926
sociology 384.5
station call letters 621.38419212
telephone syst. radio 621.3841522
television elec. eng. 621.38853
toys engineering 621.384198
traffic
and cables 621.38419216
land lines 621.38419215
engineering 621.3841921
transmission
from aircraft eng. 621.38419143
to " " 621.38419145
variations in 621.3841152–3
wired engineering 621.3841574

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Radio-
active substances
chemistry 541.38
effect of mesology 612.014482
activity physics 539.7
carpal joint anatomy 611.72744
chemistry science 541.38
culture agriculture 631.5882
dynamics engineering 621.384196
goniometer
radio antennas 621.38413552
phonograph
receiving sets radio 621.384136643
telegraphy business 654.1
engineering 621.3842
telephone sets
electron tubes in
radio eng. 621.3841328
telephony
business 654.6
engineering 621.3845
in aviation eng. 621.38419141
therapy 615.84
tropism botany 581.183243
ulnar joint
inferior anatomy 611.72741
superior " 611.72734
Radiography photography 778.33
Radiolaria zoology 593.14
Radiometry optics 535.2
Radioscopy diagnosis 616.0757
Radish (Brassicaceae)
garden crops 635.15
Radium chemistry 546.432
processes phot. 772.9432
Radius anatomy 611.7175
rod motor vehicles 629.24783
vector astronomy 521.38
Radnor history 942.96
sheep (Bovidae)
domestic animals 636.3245
Radon chemistry 546.296
Raffaelli. Bosone di
da Gubbio It. fict. 853.14
Raffia
in clothing dom. econ. 646.185
(Palmaceae) fiber crops 633.582
work arts & crafts 745.58
see also Raphia
Rafflesiaceae botany 583.923
Rafsiaceae " 589.457
Raft bridges engineering 624.87
Rafting logging 634.982542
Rafts ship outfit 623.86
shipbuilding 623.8212
Rag gourd (Cucurbitaceae)
garden crops 635.627
shredding wool indus. 677.3621
Ragged schools
public relief 362.76
Rags, control of
public health 614.463
Ragweed (Ambrosiaceae) bot. 583.5546
Rahbek, K L Dan. poet. 839.81157
Rahway, NJ history 974.938
Raiffeison system
cooperative banks 334.23
Raiidae ichthyology 597.35
Railings
fixed furniture 729.968
landscape structures 717.83
Railroad
bridges engineering 624.12
car factories archi. 725.454
centers city planning 711.453
cookery domestic econ. 641.576
corporations transport 385.065
districts city plan. 711.553
engineering 625
engines steam eng. 621.13
equipment engineering 625.18
ferries commerce 386.64
finance sociology 385.13
freight houses archi. 725.32
grounds landscape art 712.78
land grants pub. fin. 336.14
law transport 385.00037
loads bridge engineering 624.174
maint. & repair " 625.17
men, YMCA work with 267.362
motors electric eng. 621.313248
[1] **officials biography** 923.8
passenger
rates for
special persons 385.13226
stations **architecture** 725.31
privileges, legislative 328.347
rate regulation sociol. 385.13201682
rights of way
city planning 711.753
landscape art 712.78
savings banks fin. econ. 332.22
services commerce 385.2
shops architecture 725.33
station buildings
city planning 711.663

Railroad (cont.)
stations
care of dom. econ. 647.9631
commerce **385.3**
surveying geodesy 526.99
track destruction
military engineering 623.632
transport business 656
underground
US Civil war causes 973.7115
slavery 326.973
workmen's libraries 027.643
Railroads
administrative control 351.812
and government sociol. **385.0162**
street traffic
city planning 711.751
city planning 711.753
electric engineering **621.33**
elevated
commerce 385.63
engineering 625.4
local transit 388.4
funicular commerce 385.622
heavy " 385.4
inclined " **385.62**
engineering **625.3**
industrial commerce 385.5
light " 385.5
logging forestry 634.982534
military engineering **623.63**
equipment 355.83
resources 355.27
ownership & control of
sociology **385.016**
public health 614.863
radio on engineering 621.38419122
sociology **385**
standard commerce 385.4
street engineering 625.6
local transit 388.4
underground commerce 385.64
vs other means of
transport sociol. **385.12**
Rails
(birds) (Fulicariae)
ornithology 598.31
door & window constr'n 721.891
construction 721.838
electric traction 621.3332
railroad engineering 625.15
shipbuilding 623.85
Railway
Sierra Leone history 966.47
Railways, *see* Railroad, etc.
Rain agric. hindrances 632.16
protection from
zootechny 636.08366
storms meteorology 551.55
vegetable ecology 581.5427
worship comp. relig. 291.2125
Rainey wild life refuge
Louisiana description 917.6351
Rainfall
aeronautics 629.13247
and forests agric. 634.9222
effect
radio transmission 621.38411557
farm economics 631.11
irrigation 631.71
meteorology 551.57
Rainier
Mt, & nat'l park, Wash 917.97785
nat'l forest "
description 917.9782
Railess regions
physiography 551.58
Rainproof fabrics mfg 677.68
Rainy
Mt Range, Okla descr. 917.6647
River district hist. 971.311
Raisin tree, Japanese
(Rhamnaceae) fruitcult. 634.661
Raising capital bus. fin. **658.14**
Raisins viticulture 634.873
[4] Rajmahal language **494.825**
Rajputana history 954.4
Rakes, garden farming 631.3156
hay- " 631.3532
Raking
arches archi. constr'n 721.427
tillage 631.516
Raleigh
Walter American hist. 973.17
city, NC " 975.6551
county, WVa " 975.473
Rallies Sunday schools 268.75
Ralls co., Mo history 977.8355
Ram, hydraulic eng. **621.27**
physics 532.83
Rama comparative relig. 294
Rambouillet sheep
(Bovidae) dom. anim. 636.3674
Ramé grape, white vitic. 634.8544
Ramelsloher fowls
(Gallinae) agriculture 636.533
Rami intestini tenuis
anatomy 611.13651

Ramie (Urticaceae)
field crops 633.55
textile **manufactures** **677.15**
Rammers ordn. implements 623.463
Rampant
arches archi. constr'n 721.427
locomotion botany 581.18663
Rampart Range, Colo hist. 978.865
Ramps archi. design 729.391
plans 729.25
city planning 711.74
landscape art 717.88
water lands. art 714.34
Ramsch card games 795.42
Ramsey, Allan Eng. poet. 821.54
co., Minn hist. **977.658**
Ramsour Mills, NC, battle
American revolution 973.3361
Ramus mandibulae anat. 611.71643
Ranales botany **583.11**
Ranch life polit. sci. 323.354
Ranches
cattle (Bovidae)
dom. anim. 636.20813
grazing zootechny 636.08423
zootechny **636.0813**
Rand, The history 968.22
Randolph, John
Amer. oratory 815.24
co., Ala hist. 976.157
Ark " 976.724
Ga " 975.893
Ill " 977.392
Ind " 977.266
Mo " **977.828**
NC " 975.661
WVa " 975.485
Range
extension forestation 634.95684
finders
artillery accessories 623.4625
radio transmission 621.3841157
scales
artillery accessories 623.4621
Ranges, grazing zootech. 636.08423
kitchen equipment **643.33**
Rank heraldry **929.7**
social classes 323.31
ethics 177.5
Rankin co., Miss. hist. 976.259
Ranks, special educ. **371.96**
Ranunculales botany **583.11**
Ranunculineae " 583.111
Ranvier's nodes histol. 611.018834
Raoulia (Carduaceae) bot. 583.5533
Rapa-nui Island history 997
Rapateaceae botany 584.39
Rape (Brassicaceae)
field crops 633.42
criminal law 343
Raphanus sativus (Brassicaceae) garden crops 635.15
Raphia ruffia (Palmaceae)
fiber crops 633.582
see also Raffia
Raphideae botany **589.623**
Raphides, protective
vegetable ecology 581.5734
Rapid
transit, local
city planning 711.752
railway engineering 625.6
sociology 388.4
transport express rates
railways 385.132354
Rapides parish, La. hist. **976.369**
Rapidfire guns ordnance 623.4223
Rapisardi, Mario It. poet. 851.86
Rappahannock co., Va hist. 975.5395
[1] **Rappists Harmonists** **286.7**
Rapport hypnotism 134.52
Raps spiritism 133.922
Raptores ornithology **598.9**
Rapture, ecstatic psychol. 132.54
Rare
books **090**
library acquisition **025.291**
administration **025.171**
earths
chemistry **546.6**
photographic processes **772.86**
printing book rarities **094**
Rarefied air, or gas
engines 621.42
Rarissima book rarities **090**
Raritan, NJ history 974.972
Rasores ornithology **598.6**
Raspberries
oriental (Rosaceae)
fruitculture 634.712
(Rosaceae) fruitculture 634.711
Ratchet gearing
mechanical engineering 621.837
Rate
of climb indicators
aircraft 629.13514
production
shop management 658.54

Rate (cont.)
schedules
radio service 621.38419217
railways 385.132
waterways 386.132
Ratel (Melinae) mammal. 599.744474
Rathaus architecture 725.137
Rathdrum Prairie, Ida
history 979.694
Rating
of students schools 371.26
teachers education 371.134
scales school bldgs 371.62
textbooks 371.32
Rational
formulas, chemic
see Chemic formulas
socialism polit. econ. 335.34
Rationalism nat. theol. 211
philosophy 149.7
Rationalistic age
church history 270.8
Rationalists, apologetics
against doc. theol. 239.7
Rationalization
industrial production 338.018
psychoanalysis 131.34124
psychology of will 159.4
Rationing
consumption control 339.47
Rations
feeding zootech. 636.08441
military science 355.81
Ratitae ornithology 598.5
Ratproofing
building construction 693
shipbuilding 623.84
Rats and contageous dis.
public health 614.43
(Rodentia) dom. pests 648.7
Rattan (Palmaceae)
fiber crops 633.588
textile industry 677.545
Rattlesnake
(Ophidia) herpetology 598.126
Ridge, Wash history 979.755
Rauch, H J Dan. drama 839.81231
Raven (Mesomyodi) ornithol. 598.86
Ravines
landscape land forms 713.5
Raw materials
availability of
industrial management 658.215
flax industry 677.113
Raw materials (cont.)
military resources 355.24
storage of
industrial management 658.7851
taxes public finance 336.2713
textile manufacture 677.0283
see also special fibers
Rawlins co., Kan hist. 978.1125
Ray co., Mo " 977.819
grass (Hordeae)
field crops 633.263
system school gov't 371.595
theories
clairvoyance and
clairaudience 133.830162
Raydex process phot. 778.66
Rayon
silk industry 677.46
textiles dom. econ. 646.14
Rayonnant architecture 723.54024
Rays, effect of mesology 612.014481
electricity 537.53
optics 535
see also qualifying or specific terms
(Raiidae) ichthyology 597.35
Razorback swine (Suidae)
domestic animals 636.4849
Razors toilet 646.7
Reactance
radio circuits 621.384125
variation method
radio resistance
measurements 621.384174
Reaction
instruments psychometry 152.8325
physiocohemic mesology 612.0144626
psychology 150.194
time
and
environment psychom. 152.83626
reaction character
psychometry 152.83624
sense organ
stimulation
psychometry 152.83622
subjective conditions
psychometry 152.8363
compound psychometry 152.83433
conditions affecting
psychometry 152.836
physiologic psychom. 152.8342
physiology of brain 612.8211
psychometry 152.83

Reaction (cont.)
time (cont.)
psychophysical psychom. 152.8343
tests psychology 151.2232
velocities chemodynamics 541.39
Reactionary mechanism
gun mounts 623.4357
Reactions group psychol. 301.15
Reactors electric eng. 621.3146
Read, T B Amer. poetry 811.35
Readers
abuses of lib. privileges 024.8
access to lib. catalogs
and shelves 024.54–.57
advanced (5–)
literature 808.8
American 810.822
English 820.822
3 other —0822
aids
library economy 028
reference dept 025.5
delinquency
excuses for lib. econ. 024.73
library book loans 024.63
elementary
(1&2) education 372.4
(3&4) English lang. 428.6
3 other " —86
ethics library econ. 024.52
fees " " 024.2
guidance " " 028.8
primary (1&2)
elementary education 372.4
qualifications
library economy 024.1
registration
library book loan 025.6
responsibility lib. econ. 024.14
rules for " " 024
special classes of
publications for 087
Reading
and aids to readers
library economy 028
art of oral oratory 808.5
bills
legislative procedure 328.3741
3d " " 328.3743
clubs library functions 021.41
self-education 374.22
collateral educ. meth. 371.32
desks architecture 729.92
elementary education 372.4
Reading (cont.)
for the
blind welfare lib. 027.663
young 028.5
glasses manufactures 681.413
in libraries
character of 028.9
lists
adult education 374.19
library economy 028
school education 371.643
subject bibliography 016
methods library economy 028.1
music education 780.77
professorships of
library economy 028.6
proofs
printing 655.25
psychology 158.84
elementary education 372.401
responsive pub. worship 264.4
room rules lib. econ. 024.51
rooms
and newsrooms, free
1 library economy 027.9
in libraries 022.5
library architecture 727.87
outside libraries 022.17
selections Eng. lang. 428.7
3 other " —87
self-education 374.1
spelling & writing
combined elem. educ. 372.45
stalls architecture 729.936
stimuli for lib. econ. 028.6
tea leaves, etc.
divination 133.324
Ready reckoners
office fittings 651.4655
Reagents laundry business 648.18
qualitative anal. 544.11
Real character
universal language 408.9
estate
business land econ. 333
credits fin. " 332.72
private law 347.2
taxation pub. fin. 336.22
transfers econ. 333.33
income
wealth appraisal 339.3
presence Eucharist 265.3
prices economics 338.52

Real (cont.)
property assessments
local taxes 336.283
taxation 336.22
Realism
painting schools 759.912
philosophy 149.2
vs nominalism ch. hist. 270.5
Realistic sculpture
fine arts 731.52
Reality
knowledge of
pychol. of reasoning 153.662
principle psychoanal. 131.3413
Realization
business methods 658.167
viewpoint
in specific fields
[2] see subject —002
Realty land economics 333
private law 347.2
Reamers machine tools 621.954
Reapers agriculture 631.354
steam engineering 621.146
Reaping agriculture 631.554
hook " 631.3511
Reapportionment
legis. representation 328.3345
Rear
axles motor vehicles 629.2455
sight
artillery accessories 623.4621
Rearing biol. collecting 579.615
Reason
and revelation
soteriology 234.23
distinction of ontology 111.821
innate psychology 156
natural theology 210
physiology of brain 612.8213
thinking faculty
psychology 153.6
Reasoning
in animals zoology 591.51
judgment psychology 153.544
tests
psychologic
measurements 151.223336
psychology 153.68
Reassimilation botany 581.1336
Rebates tariff 337.4
Rebecca grape vitic. 634.84709
Rebellion
political science 323.2
war of the
see Civil war, US
Reboul, Jean Fr. poet. 841.75
Rebuses games 793.73
Recall
of officers
admin. control over 351.9
psychology of memory 154.33
Recapitulation
and variation botany 581.151233
theory psychology 136.301
Receipts
cookery 641.5
finance, *see* Income
library miscellany 020.83
useful arts 602
workshop chem. tech. 660.83
in other specific fields
[2] see subject —0831
see also Formulas, Prescription
Receivers
acoustic radio 621.3841364
business finance 658.151
optic radio recorders 621.3841365
steam piping 621.1855
telegraphy 621.3833
telephony 621.3863
tuned radio 621.38413642
Receivership commer. law 347.7
Receiving
books library economy 025.233
clocks, penumatic mfg 681.1152
helmets
radio on aircraft 621.38419142
industrial management 658.77
interrupter system
radio 621.3841538
sets
electron tube radio 621.3841325
radio 621.3841366
Recent period geology 551.791
Receptacles
floral anatomy 581.46323
for butter dairy indus. 637.2351
milk " " 637.1327
plants agriculture 631.346
packing business meth. 658.78844
practical chemistry 542.23
precious metals arts 739.2184
Receptaculum chyli anat. 611.423
Reception
radio receivers 621.38413612
waves 621.384114
room furnishing
domestic economy 645.62
Receptions
ceremonious
student life 371.89
domestic economy 642.43
social customs 394.44
Receptors, sensory
psychology 131.215

Recessed arches
  architectural constr'n 721.427
Recessses legislature 328.355
  school day 371.24
Recessional sacred music 783.29
Recessions production 338.57
  see also in Tables subhead Crises under specific types of production, e.g. 338.15
Recidivism criminology 364.32
Recipes, *see* Receipts
Reciprocal telepathy
  psychology 133.823
Reciprocity
  law phot. sensitometry 771.5345
  tariff treaties 337.91
Recitation rooms
  school buildings 371.621
Recitations
  educational methods 371.32
  socialized seminar meth. 371.37
Recitative vocal music 784.25
Reckoners, time horology 681.118
Reckoning machines mfg 681.14
Reclamation
  agricultural soil 631.45
  agriculture 631.6-.7
  canal engineering 626.8
  hydraulic " 627.5
  of land city planning 711.14
Recognition
  future doctrinal theol. 237
  measurement psychology 154.834
  psychology of memory 154.34
Recoil
  checking mechanism
    gun mounts 623.4355
  mechanism gun mounts 623.4356
  mounts ballistics 623.574
Recoinage financial econ. 332.46
Recollection
  psychology of memory 154.3333
Recollects Franciscans 271.34
Recommendations
  employes'
    office records 651.66
  labor demand 331.1151
    service records 331.123
  legislative procedure 328.372
Reconnaissance
  forestry 634.928332
  geodetic triangulation 526.31
  military maneuvers 355.53
    science 355.413
  railroad engineering 625.11
Reconstruction period
  US history 973.8
Record
  clock office economy 651.4211
  offices architecture 725.158
  players, automatic mfg 681.135
Recorder flute 788.5
Recorders telegraphy 621.3833
Recording
  devices radio receivers 621.3841365
  systems " 621.384158
Records
  administrative
    in specific fields
[2] sec subject —00039
  arrangement
    office files 651.53
  employes' office files 651.66
  labor economics 331.123
  legislative polit. sci. 328.363
  methods of storing
    office files 651.54
  office files 651.5
  permanent office files 651.56
  phonographic
    library acquisition 025.298
      administration 025.178
      preservation 025.8
    manufactures 681.8432
  school education 371.2
  special office files 651.6
  temporary " " 651.57
  vs memory lit. methods 029.1
Recreation
  and crime sociology 364.255
    forest policy forestry 634.925177
  areas city zoning 711.558
    regional plan. 711.32
  buildings
    and structures
      landscape art 717.68
    architecture 725.8
    city planning 711.668
  camps landscape art 712.73
  department journalism 070.446
  equipment mil. science 355.86
  for children dom. econ. 649.5
  forest uses 634.997
  grounds landscape art 712.54
  hygiene 613.7
  in prisons sociology 365.665
  land economic use 333.78
  library functions 021.5
  piers architecture 725.87
  public city planning 711.13

Recreation (cont.)
room furnishing
domestic economy 645.69
rooms prisons 365.54
workmen's economics 331.85
see also Pleasure
Recreational
functions of museums 069.1
Recreations
fine arts 790
hygiene 613.74
of laboring classes
economics 331.84
school hygiene 371.74
Recruiting European war 940.402
labor econ. 331.11
military sci. 355.22
Rectal lymph glands anat. 611.4656
Rectangular
coordinates
astronomy, spheric 522.72
domes arched constr'n 721.47
roofs archi. " 721.593
Recti capitis anatomy 611.7319
Rectification
calculus 517.33
radio circuits 621.3841292
Rectifiers
electric engineering 621.3137
electron tube radio 621.3841323
radio reception 621.3841362
Rectilinear motion
dynamics 531.81
Rectories architecture 726.91
Rectovaginal pouch anat. 611.6674
Rectum
admin. of medicines by 615.62
anatomy 611.351
pathology 616.35
physiology 612.366
Rectus abdominis anatomy 611.7361
capitis
anterior " 611.7338
femoris " 611.73822
Recuperators gun mounts 623.4357
Red algae (Rhodophyceae)
botany 589.41
Bank
Gloucester co., NJ
battle
Amer. revol. 973.3337
Monmouth co., NJ
history 974 946

Red (cont.)
cattle
polled (Bovidae)
domestic animals 636.2264
shorthorn (Bovidae)
domestic animals 636.2225
coloring matter
secretion botany 581.14444
corpuscles
and white
proportion of
physiology 612.1128
not erythrocytes
physiology 612.1117
physiology 612.111
Cross
buildings archi. 725.59
societies charity 361.506
Eur. w. 940.4771
grape (Ripariae)
viticulture 634.8433
international
communism 335.441
trade unionism 331.886
ironwood (Ochnaceae)
botany 583.245
Lake co., Minn hist. 977.696
light
districts
admin. control 351.764
city planning 711.585
inversion
phot. sensitometry 771.5345
men, Improved order of
secret society 366
nucleus anatomy 611.81544
pepper (Solanaceae)
field crops 633.842
River
history 976.66
Little, Ark hist. 976.776
La., campaign, 1864
US Civil war 973.7363
naval history 973.754
lower, La. hist. 976.36
of the North
Canada history 971.27
rebellion
Canadian hist. 971.051
parish, La. hist. 976.364
upper, Okla " 976.64
Sea physiography 551.467
Province, Sudan
history 962.41

Red (cont.)
seaweeds (Florideae)
botany 589.411
Redbeds plain region
Oklahoma history 976.63
Redcap fowls (Gallinae)
agriculture 636.525
Redeemability fin. econ. 332.52
Redeemer
Congregation of the most holy Redemptorists 271.6
doctrinal theology 231.2
prophecies Christology 232.12
Redemption doc. theol. 234.3
public debt 336.36
Redemptionists mon. orders 271.79
Redemptorists " " 271.6
Redevelopers phot. chem. 771.546
Redeveloping photography 770.2837
Redintegration psychology 153.232
Rediscounting fin. econ. 332.84
Redowa dances 793.33
Redtop (Agrostideae)
field crops 633.23
Reduced
express rates railways 385.13236
fares for special persons " 385.13226
wages economics 331.5
Reducers phot. density 771.546
devel. 771.544
Reducing
and silver salts
processes phot. 772.16
ferments physiol. chem. 612.01511
flame practical " 542.51
machines therapeutics 615.82
Reduction
division veget. cytol. 581.876234
formulas calculus 517.31
metabolic physiol. chem. 612.01536
music composition 781.64
photographic copying 778.14
photography 770.2837
practical chemistry 542.9
Reduplication
English etymology 422.3
[3] other lang. —23
Redwillow co., Neb hist. 978.284
Redwood co., Minn. " 977.635
(Taxodiaceae)
forestry 634.9758
Reed, bur- (Sparganiaceae)
botany 584.612
wood instr. music 788.6–.9
Reeds fiber crops 633.586
Reeducation psychoanalysis 131.3427
Reefs, coral geol. agents 551.96
Reelfoot Lake, Tenn. descr. 917.6812
Reeling textile process 677.02822
see also special fibers
Reemployment labor econ. 331.138
Reenberg, Töger Dan. poet. 839.81142
Reexport ports commerce 387.132
Refectories mon. archi. 726.794
Referees juvenile courts 364.523
Reference
book holders lib. furn. 022.934
books
library administration 025.5
use of library econ. 028.7
exact literary methods 029.1
libraries, free 027.4243
points
drawing perspective 742.1
room library buildings 022.53
tone acoustics 534.4
use of libraries 024.5
References
labor demand 331.1151
service records 331.123
Referendum direct legis. 328.264
polit. sci. 321.4
Refineries, metallurgic architecture 725.432
Refining cheese industry 637.3332
numismatics 737.44
Reflation money 332.414
Reflecting
circle astron. instr. 522.41
instruments optics 535.87
Reflection
copying processes phot. 778.12
density meters " 771.5345
experimental psychology 150.7252
optics 535.3
psychology 153.4
radio transmission 621.3841156
thermology 536.31
Reflections
geometric perspective 515.64
drawing 741.45
Reflective
faculties phrenology 139.233
thinking educ. meth. 371.34
Reflectography photography 778.12
Reflectors
motor vehicle lighting 629.2714
photographic " 771.22

Reflex
action
physiology of myel 612.833
zoology 591.18
cameras photography 771.3132–3
hallucinations psychol. 133.2237
illusions " 133.2437
movement
physiology of
invertebrates 612.8293
phenomena physiology 612.8905
photography fine arts 778.39
reaction time psychom. 152.8342
receiving sets radio 621.384136625
Reflexes
auditory
physiology of hearing 612.8588
psychology 152.288
cardiac physiology 612.1786
pathology of " 612.83392
physiology 612.82931
psychic
physiology of brain 612.8216
psychology of movement 158.423
pupillary physiology 612.8421
psychology 152.121
respiratory physiology 612.288
Reflexology psychology 150.1944
Reforestation
natural botany 581.524343
silviculture 634.956
Reform
and taxation pub. fin. 336.295
civil service 351.6
legislative polit. sci. 328.394
schools architecture 725.64
criminology 364.722
education 371.93
sociology 301.1535
in specific fields see subject
Reformation
age of European hist. 940.22
ante- church " 270.5
church history 270.6
Scotch " 941.05
Reformatories
adult criminology 364.723
architecture 725.63–.64
city planning 711.661
criminology 364.7
hygiene of dwellings 613.57
labor in criminology 364.765
economics 331.52
Reformatory
courts criminology 364.5
institution districts
city zoning 711.556
libraries 027.664
measures
criminology 364.6
effect of
criminal psychology 364.34
organization & activities
criminology 364
Reformed
[1] **church** 284.2
[1] **in America** 285.7
[1] **Presbyterian church** 285.5
Reformers
religious comp. theol. 291.64
[1] **social biography** 923.6
Reformism
utopian socialism 335.1
Refracting mediums
of eye anatomy 611.844
Refraction
corrections, astronomic 522.92
double optics 535.5
ocular ophthalmology 617.75
physiology 612.844
psychology 152.14
optics 535.3
radio transmission 621.3841156
thermology 536.32
Refractometric method
quantitative analysis 545.8
Refractory period
physiology of heart 612.1723
Refreshment bldgs archi. 725.7
Refreshments dom. econ. 642.2
Refrigeration
dairy industry 637.1321
food preservation
chemic technology 664.8
domestic economy 641.48
mechanical engineering 621.56
shipbuilding 623.85
ships shipbuilding 623.826
Refrigerator ice houses
architecture 728.97
Refrigerators
kitchen equipment 643.37
Refuge
houses of criminology 364.722
sociology 362.51
towers architecture 725.976

Refugees
[1] **European war** 940.3159
immigration 325.12
right of asylum 341.51
Refunding public debt 336.37
Refuse, *see* Waste, etc.
Regal grape viticulture 634.84709
Regaldi, Giuseppe
Italian poetry 851.77
Regalian revenues
public finance 336.18
Regattas school hygiene 371.75
sports 797.14
[1] **Regencies foreign gov't** 354
political sci. 321.7
Regency furniture f. arts 749.243
Regeneration
biology 575.7
botany 581.1657
doctrinal theology 234.4
of parts biology 574.179
botany 581.179
zoology 591.179
physiology 612.603
zoology 591.16
[1] **Regents, univ. & col.** 378
administration 378.11
Reggio di Calabria hist. 945.783
[1] **Regicides biography** 923.41
Regimen hygiene 613
Regimentation polit. sci. 323.49
Regiments
military science 355.31
state, history of
military science 355–358
US state governments 353.9
Regional
ass'ns, societies, etc.
in specific fields
[2] see subject —0623–9
libraries 027.422
planning civic arts 711.3
Regions
see Zones
also qualifying or specific terms
Registering apparatus
manufactures 681.14
office equipment 651.264
scientific manufactures 681.2
Registers
army
[1] **foreign governments** 354
US government 353.6

Registers (cont.)
navy
[1] **foreign governments** 354
US government 353.7
of births, etc. geneal. 929.3
servants dom. econ. 647.29
[1] **university & college** 378
Registrar
university & col. admin. 378.11
Registration
fees, express railways 385.132392
motor vehicles 629.21342
of aliens polit. sci. 325.152
musicians f. arts 780.0754
prisoners 365.642
school administration 371.21
statistical sociol. 311
suffrage 324.242
Regnard, J F Fr. wit 847.47
Regnier, Mathurin " " 847.35
Regression psychoanalysis 131.34124
Regular
army and navy
of the US, Society of
veterans of the 369.112
union of the USA 369.111
[1] **Baptists sect. hist.** 286.1
Regulating
devices clockwork 681.1124
precision " 681.1127
Regulation
administration
in specific fields
[2] see subject —000365
forest management 634.9283
of commerce sociology 380.1682
private forests
government forestry 634.92518
see also Rules and regulations
Regulator tubes radio 621.384132123
Regulators
distributing
electric clockwork 681.1161
feedwater steam eng. 621.1972
hydraulic turbines 621.241
mine ventilation 622.45
potential elec. eng. 621.3145
sewerage engineering 628.258
vacuum practical chem. 542.77
see also qualifying or specific terms

Rehabilitation
city planning 711.16
industrial economics 331.86
of disabled education 371.91
rural agriculture 630.1
immigration 325.12
Rehalogenizers
photographic chemistry 771.546
Rehalogenizing phot. 770.2837
Rehoboth history 968.853
Reichstag political sci. 328
Reid, Thomas philosopher 192.5
Reigen Japanese history 952.02522
Reign of terror, 1793–94
French history 944.044
Reil, island of anatomy 611.81319
Reims Eur. w., 1914
Sep. 4 940.4215
18 940.4217
1918 940.4363
air raids 940.448
Reinaert de Vos Dutch wit 839.3171
see also 837.31; 847.12; 398.22
Reincarnation metaphysics 129.4
Reindeer
and Wasp, ships
War of 1812 973.5255
(Cervidae) dom. anim. 636.294
milk cheese dairy indus. 637.3553
Reinforced concrete
platforms foundations
architecture 721.164
structures archi. constr'n 721.975
Reinke de Vos Ger. wit 837.31
see also 839.3171; 847.12; 398.22
Reins arch construction 721.428
Reinsurance insur. bus. 368.86
Reinvigorating
orchards, etc. agric. 631.538
Reissner, fibers of anat. 611.828
Reizei Japanese history 952.016245
Rejuvenescence
botanic ontogeny 581.13534
Relapsing fever pathol. 616.924
Relation
between subjects
in specific fields
[2] see subject —0001
ontology 111.5
Relationship genealogy 929.1
Relative pronouns
English etymology 422.7
[3] other language —27
syntax 425.7
[3] other language —57
Relativity
astronomy 521.12
gravity 531.51
physics 530.1
theory of sensation
psychology 152.01615
Relay system radio 621.3841582
Relaying
radio system, linked 621.384156
Relays radio tubes 621.384132
telegraphy 621.38321
Releasing-gear engines
steam engineering 621.1644
Relics
miraculous doc. theol. 231.73
of passion Christol. 232.966
Relief
corps, Woman's US soc. 369.161
decoration
architecture 729.5
building industry 698.8
library buildings 022.345
engraving
fine arts 761
photographic fine arts 777.2
for poor pauperism 339.16
sociology 362.5
maps physiography 551.4084
molds photoengraving 777.5
perspective
photography 778.4
cinematic 778.5341
photography in f. arts 777.7
union, Woman's veteran
US societies 369.162
work
labor economics 331.61
official 361.6
parish religion 258
private 361.7
public charity 361
YMCA 267.356
Reliefs roof constr'n 721.563
sculpture 731.54
Relieving arches
architectural constr'n 721.426
Religion 200
and
art comp. theology 291.17
birth rate demography 312.1
celibacy " 312.5
children psychology 136.742
crime sociology 364.254
culture theology 261.6
education 377

Religion (cont.)
and
marriage demography 312.5
migration polit. sci. 325.13
morals comp. theol. 291.17
science
apologetics 239.8
comparative theology 291.17
natural " 215
biography of 922
Christian 200
comparative 290
Christian 230
defense of apologetics 239
demography 312.9
department journalism 070.4492
elementary education 372.82
free natural theology 211
Germanic comp. theol. 293
Greek mythology 292
natural 210
northern comp. theol. 293
personal 248
practical 240
Roman mythology 292
sources of comp. theol. 291.8
state theology 261.7
suffrage requisites 324.15
suppression of
church & state 261.7
Teutonic comp. theol. 293
Vedic " " 294.1
Religions
classification of
comparative theology 291.14
founders of comp. theol. 291.64
genealogy of " " 291.15
non-Christian 290
Religious
affiliation
immigration limitations 325.154
architecture 726
art ecclesiology 246
fine arts 704.948
associations
buildings
Christian archi. 726.97
non-Christian " 726.99
general religion 267
local parish work 256
belief, orig. of relig. 201.1
centers city planning 711.46
zoning 711.56
ceremonies
see Rituals, religious

Religious (cont.)
controversies
church history 270
doctrinal theology 239
in specific fields see subject
cookery domestic econ. 641.565
deeds comparative theol. 291.7
department YMCA 267.352
drama theater 792.1
education
in public schools 377.1
prisons 365.663
Sunday Schools 268
emotions
comparative theology 291.12
psychology 157.3
festivals
see Feasts, religious
garb
in pub. schools educ. 377.1
manufactures 687.15
halls, temporary archi. 725.92
hierarchy comp. relig. 291.61
history
see Church history
holidays soc. customs 394.2642
influence
crime prevention 364.44
institutions 260
buildings city plan. 711.666
instruction
in public schools 377.1
special schools 268
law givers comp. theol. 291.64
liberty
see Liberty of conscience
literature
Anglo-Saxon 829.5
miscellany theology 244
men comparative relig. 291.6
missions, *see* Missions
music, *see* Music, relig.
orders
military heraldry 929.7
monastic 271
Prot. Epis. ch. hist. 271.83
organizations
comparative religion 291.6
libraries 027.67
paintings fine arts 755
periodicals journalism 070.482
poetry theology 245
practises comp. theol. 291.3
propagandism " " 291.7

Religious (cont.)
refugees int'l law 341.51
sects, Christian 280
services, *see*
Services, relig.; Worship
also names of specific services
societies
coinage numismatics 737.47
religion 206
symbolism
Christian eccles. 246
comparative religion 291.37
traits personality 137.32
wars church history 270.6
comparative theol. 291.7
Remainder sales
bookselling 655.56
Remains archeology 571
paleontology 560
Rembrandt process
photogravure 777.1
Remedies
ancient & medieval 615.89
imponderable therap. 615.83
legal procedure 347.95
mechanical therap. 615.81
pharmacy 615
zootechny 636.0895
Remembering psychology 154.33
shorthand 653.16
Reminiscence
pseudo- psychology 132.83
psychology of memory 154.3333
Remittent fever
pathology 616.936
public health 614.532
Remodeling
and reconstruction
library buildings 022.39
museum " 069.28
Remonstrants Armenians 284.9
Remote
control system radio 621.384155
Remount services mil. sci. 357.2
Removals from letter file
office records 651.675
of public officers
civil service 351.92
Remuneration
convict labor 365.65
economics 331.2
library economy 023.8
Renaissance
[1] **architecture** 724.1
revivals 724.5
Renaissance (cont.)
church history 270.5
European " 940.21
furniture
English fine arts 749.221
fine arts 749.25
French fine arts 749.242
history of art 709.03
Renal
artery anatomy 611.1367
circulation physiology 612.4634
diseases pathology 616.61–.62
function
physiology, pathologic 612.466
operations surgery 617.46
plexus anatomy 611.8393
veins " 611.1462
see also Kidneys
Renan, Ernest Fr. essays 844.82
Renaud, Jean, process
photography 773.123
Rendering works and
pollution pub. health 614.742
Renewals
and repairs admin.
in specific fields
[2] see subject —000367
legislative election 328.3356
Renfrew county
Ontario history 971.381
Scotland " 941.41
Rennet
cheese dairy industry 637.351
industry 637.3331
Reno co., Kan history 978.183
Renovating
orchards, etc. agric. 631.538
Rensselaer co., NY hist. 974.741
Rent, economic theories of
political economy 333.51
farm economics 631.113
income from
taxation 336.245
pew cleric support 254
political economy 333.5–.6
wealth distribution 339.23
Rental
charges, express
railways 385.132393
collections
fees library finance 025.113
library book loan
privileges 024.78
[1] **libraries** 027.3
value
real property taxation 336.222

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Rentes French pub. fin. 336.310944
Renting system
farm working 631.1154
Renville co., Minn hist. 977.634
Reorganization bus. meth. 658.168
Rep special fabrics 677.61
textile mfg 677.02864
see also special fibers
Repair
and waste
see Waste and repair
of books, etc.
library administration 025.7
ships shipbuilding 623.826
Repairing museum material 069.4
Repairs
and renewals admin.
in specific fields
[2] see subject —000367
clockmaking 681.1128
emergency indus. manage. 658.583
museum buildings 069.23000367
music instruments 781.91
Reparations
employers' liability 331.825
war public finance 336.18
Repayment public debt 336.36
Repeaters
criminology 364.32
education 371.28
half- telegraphy 621.38326
horology 681.1143
telegraphy 621.38324–26
Repentance
doctrinal theology 234.5
penance 265.61
sacraments 265.61
theology 243
Repetition
and attention psychol. 152.723223
architectural elevations 729.12
landscape art 712.25
method geodesy 526.56
teaching 371.3
Replevin legal procedure 347.95
Report cards schools 371.26
Reporters journalism 070.42
Reporting shorthand use 653.18
Reports
administrative
in specific fields
[2] see subject —00039
of ass'ns, soc., etc.
in specific fields
[2] see subject —06
office economy 651.78
Repoussé work
metal arts 739.15
numismatics 737.44
roof construction 721.563
Repplier, Agnes
American essays 814.45
Representation
in legislatures 328.334
psychology of memory 154.33
sensible psychology 152
suffrage 324.22
workmen's indus. rela. 331.152
Representative
government polit. sci. 321.8
Representatives
diplomatic " " 327
Repression psychoanalysis 131.34124
Reprieve criminology 364.63
Reprisals
customs polit. econ. 337.38
law of war 341.3
Reproaches sacred music 783.27
Reproduction
asexual botany 581.165
biology 574.16
botany 581.16
human embryology 611.013
industrial photography 778.1
paintings 751.5
physiology 612.6
psychology of memory 154.33
rooms photography 771.26
sexual botany 581.166
physiology 612.6042
stimuli
psychology of memory 154.334
vegetative botany 581.165
zoology 591.16
zootechny 636.0824
Reproductive
imagination psychology 155.32
power psychol. of memory 154
Reptile fund journalism 070.15
Reptilia herpetology 598.1
paleozoology 568.1
Republic co., Kan hist. 978.124
German gov't 354.4304
political science 321.8
Republican
party, US, formed hist. 973.66
politics 329.6
River area, Neb hist. 978.236
Republics
Italian history 945.04
oligarchic polit. sci. 321.5
Repudiation public debt 336.368

Repulsion
capillary
see Capillary attraction and repulsion
motors electric eng. 621.31366
Repulsive force astronomy 523.17
Requa grape viticulture 634.84709
Requiem music 783.29
Requirements
for admission schools 371.21
minimum curriculum 375.006
Requisitions
industrial management 658.783
military 355.28
military admin. 355.61
office materials 651.464
Reredos architecture 729.962
ecclesiology 247.2
Resaca de la Palma, Tex
battle, 1846 US hist. 973.6234
Rescue work
aircraft service 629.138613
emergency labor 331.64
mining dangers 622.86
Research
cooperative museum econ. 069.68
educational 370.78
endowments education 378.32
forest policy 634.92512
industrial management 658.571
institutions archi. 727.5
literary methods 029
museum economy 069.8
psychic metapsychology 133.07
scholarships univ. & col. 378.34
subsidies for
in specific fields
[2] see subject —0794
in other specific fields
[2] see subject —072
Resection surgery 617.94
Resedaceae botany 583.133
Resemblance, protective
animal ecology 591.57
biology 575.3737
vegetable ecology 581.5737
Resen, P H Danish lit. 839.8183
Reservation forest policy 634.92511
Reservations nat. lands. 719.3
Reserve banks fin. econ. 332.11
Reserves
bank fin. econ. 332.17
metallic " " 332.52
military organizations 355.351
Reservoir reserves
natural landscape 719.335
Reservoirs
architecture 725.193
city planning 711.551
forest engineering 634.936
irrigation 631.71
railway architecture 725.33
sewerage engineering 628.28
waterworks 628.13
Residence
compensation of teachers 371.164
demography 312.9
plans domestic economy 643.2
quarters library bldgs 027.69
requirements for degree
univ. & col. 378.241
suffrage requisites 324.16
Residences
architecture 728
city planning 711.667
landscape art 717.63
official architecture 725.17
small " 728.6
Residential
density city planning 711.581
districts " zoning 711.58
hotels architecture 728.23
influences diff. psychol. 136.265
streets city planning 711.74
towns " " 711.48
Residual
calculus 517
claimant theory of wages 331.214
Residues
animal fertilizers 631.843
indus. as food zootech. 636.08557
recovery of phot. 770.287
vegetable fertilizers 631.876
Resignations
legislative elections 328.3357
teachers' education 371.14263
Resin
and gum
gatherers agric. tools 631.3588
gathering " 631.5568
producing insects
agriculture 638.3
boxes photography 771.43
dry process " 772.14
painting medium 751.245
silver process phot. 772.13
Resinopigmentypes " 773.2

Resins
and gums
chemic technology 668.4
economic botany 581.6484
essential
secretion botany 581.1442
forest products 634.986
fossil geol., econ. 553.29
perfume crops 633.816
pharmacy 615.335
secretion botany 581.1414
silk industry 677.474
photographic chemistry 771.55
Resistance
aerodynamics 629.13234
measurements radio 621.384174
meters electric eng. 621.3742
of liquids hydraulics 532.58
materials eng. 620.11
physics 539.4
pressure sense physiol. 612.883
psychol. 152.5733
radio antennas 621.38413515
circuits 621.384124
shipbuilding 623.81
tests textile mfg 677.02873
see also special fibers
to environment biology 575.433
Resistant varieties vitic. 634.8367
Resisting medium in
perturbations astron. 521.44
universe " 523.15
Resistors radio 621.3841333
Resists phot. chemistry 771.55
Resolution
music composition 781.64
phot. sensitometry 771.5345
Resolutions, joint
legislative procedure 328.377
Resolve, freedom of
psychology of will 159.124
Resolving power
photographic lenses 771.352
Resonance
method
radio measurements 621.38417132
principles
radio circuits 621.38412
transformers
radio transmitting 621.3841316
Resonators acoustics 534.4
Resort hotels archi. 728.52
Resorts
buildings for archi. 725.75
city planning 711.455
Resorts (cont.)
health hygiene 613.12
hygiene of dwellings 613.5
recreation 791
Resources
military 355.2
national conservation
[1] **political economy** 339.49
natural
city planning 711.14
conservation of
land economics 333.72
political economy 333
forestry 634.927
political economy 339
Respiration
and blood pressure 612.1461
calorimetry 612.5123
changes in blood 612.23
circulation
physiology 612.213
respiratory chem. 612 2273
facial nerve 612.81973
motion 612.2271
muscular movement 612.2271
nervous system 612.28
rest 612.2271
stature 612.2291
temperature 612.534
vagus nerve 612.819912
work 612.2271
artificial
in asphyxiation 612.2321
physiology 612.2163
of heart 612.1725
biology 574.12
cutaneous physiology 612.793
in confined air " 612.233
internal " 612.26
physiologic botany 581.12
zoology 591.12
Respiratory
apparatus physiology 612.215
centers " 612.28
chemistry
and nervous system 612.2272
physiology 612.22
exchange of gases 612.22
frequency physiology 612.216
mechanics " 612.217
organs
biology comp. anat. 574.42
botany " " 581.42
innervation of 612.819922

Respiratory (cont.)
organs (cont.)
organography, biologic 574.72
botanic 581.72
zoologic 591.72
vegetable histology 581.842
zoology comp. anat. 591.42
quotient physiology 612.231
ratio physiol. botany 581.1214
reflexes physiology 612.288
rhythm " 612.216
sounds " 612.2161
system
anatomy 611.2
and medicines therap. 615.72
pathology 616.2
apiculture 638.1532
physiology 612.2
surgery 617.42
Responds archi. constr'n 721.372
Response psychology 150.194
vegetable ecology 581.522
Responses soc. psychol. 301.15
Responsibility
criminal sociology 364.34
doctrinal theology 233.4
ethics 171
psychology of will 159.13
Responsive
choral service music 783.24
Rest and sleep hygiene 613.79
cure therapeutics 615.85
physiology 612.7662
rooms
architecture 725.196
city planning 711.669
industrial archi. 658.237
landscape art 717.66
office buildings 651.16
workmen 331.81
Restaurant and hotel dist.
city zoning 711.557
Restaurants
architecture 725.71
city planning 711.662
cookery 641.572
domestic economy 647.95
laboring classes 331.835
outdoor landscape art 712.543
student life 371.88
table systems 642.5
Restiaceae botany 584.83
Restif de la Bretonne, N E
French fiction 843.57
Restiform body anatomy 611.8182
Restigouche co., NB hist. 971.511
Resting places lands. art 717.682
Restless cavy (Rodentia)
domestic animals 636.9
Restoration
1660 English history 942.066
furniture fine arts 749.222
Japanese history 952.022
Restoring
art objects fine arts 708.047
museum material 069.4
paintings 751.6
photographic negatives 770.2852
prints 770.2862
sculpture 731.48
Restrainers phot. devel. 771.544
Restricted
communion Baptists 286
Results, tables of
[2] in specific fields see subj. —0836
Resurrection
Christology 232.97
doctrinal 232.5
eschatology 236.8
Resuscitation of drowned
public health 614.812
Retables altar archi. 729.912
Retail
districts city plan. 711.552
societies, cooperative
political economy 334.53
Retailing sales methods 658.87
Retaining walls
architectural construction 721.291
landscape art 717.84
Retardation
chemodynamics 541.39
childstudy 136.766
plant culture 631.545
simple medicine 616.89542
psychology 132.19542
students 371.28
Retarded children
special classes for 371.25
Rete nervosum physiology of
invertebrates 612.8292
testis of Haller
anatomy 611.6315
Retention
psychology of memory 154.32
tests
psychol. measurements 151.2233432

Reticular
cartilage histology 611.01827
layer anatomy 611.778
tissue histology 611.01824
Reticulariaceae botany 589.2932
Reticulation
photography 770.2812
photomechanical supports 774.3
processes
half-tone photography 777.3
Retina anatomy 611.843
ophthalmology 617.73
physiology 612.843
psychology 152.13
Retinal
adaptation physiol. 612.843632
aftersensations " 612.84352
fatigue " 612.843632
impressions photography 778.8
physiology 612.8435
purple " 612.84314
Retirement
age
advancement of
unemployment
reduction 331.137
labor economics 331.13
funds public relief 362.62
military service 355.114
of teachers education 371.14264
public debt 336.36
Retorts
glass prac. chem. 542.231
porcelain " " 542.232
Retouching
cinematic films 778.58
paintings 751.6
photographic
apparatus 771.45
printing plates 771.43
negatives 770.2838
printing plates 770.2843
photographs 770.2843
Retrahens anatomy 611.7324
Retreat mil. maneuvers 355.53
tactics 355.422
Retreats relig. revivals 269
Retribution doc. theol. 237.6
Retrievers (Canidae)
hunting sport 799.23
Retroauricular glands
anatomy 611.4632
Retrochoir church archi. 726 593
Retrocognition spiritism 133.90163
Retroperitoneal
fossae anatomy 611.384
Retropharyngeal
glands anatomy 611.4636
Retrospection
experimental psychology 150.7252
Retting textile process 677.02821
see also special fibers
Return system
electric traction lines 621.33217
telephony 621.38532
Returns
announcement suffrage 324.268
apiculture 638.1118
butter industry 637.218
cheese " 637.318
dairy " 637.118
false electoral frauds 324.275
farm economics 631.18
lac industry 638.3228
zootechnic economy 636.0818
Retzius, foramen of anat. 611.8185
Reuchlin philosopher 189.5
Réunion islands history 969.81
Reunions, public admin. 351.752
Reuss history 943.28
Reval, *see* Tallinn
Revaluation money 332.413
Reveals archi. constr'n 721.862
Revelation
and reason soteriology 234.23
comparative religion 291.64
denied heresies 273.8
divine doctrinal theol. 231.74
St John's 228
Revels, nocturnal sorcery 133.42
Revenants occultism 133.14
Revenue
farming public finance 336.19
internal " " 336.271
legislative power 328.341
public finance 336
stamps public finance 336.272
tariffs polit. econ. 337.2
Reverberatory furnace
practical chemistry 542.42
Reversal
photographic sensitometry 771.5345
Reversed arches
architectural constr'n 721.427
Reversing
photographic negatives 770.2853
photomechanics 774.6

Reversion public finance 336.18
social psychol. 301.1536
Reversionary payments
insurance business 368.31
public annuities 336.35
Reversis card games 795.41
Revertier games 795.1
Review methods teaching 371.3
Reviewing reading methods
library economy 028.1
Reviews, magazines, etc.
[2] in specific fields see subj. —05
Revisionism socialism **335.5**
Revival
of letters lit. hist. 809.03
psychology of memory **154.33**
Revivals
architectural styles **724**
religious
music for fine arts 783.7
theology 269
Reviviscent animals
physiology 612.0144611
Revolution
American, societies of **369.13**
see also American revolution
change of state form 321.092
English, 1688 history 942.068
French, 1789 " **944.04**
1830 " 944.063
1848 " 944.07
of earth
and tides astron. 525.67
astronomy 525.31
Russian, 1917 history 947.08
Spanish " 946.08
Revolutionary
labor unions economics 331.886
socialism " **335.4**
territorial expansion
political science 320.1269
war, US, *see*
American revol.
Revolutions polit. sci. 323.2
Revolver cameras phot. 778.52
Revolvers fine arts 739.74
manufactures 683
ordnance 623.4434
Revolving
cases office equip. 651.234
doors archi. constr'n 721.836
harrow farming 631.3135
Rewards
and punishments
doctrinal theology 233.4
Rewards (cont.)
military science 355.134
school incentives **371.53**
work encouragements 331.9
Reynard the Fox folklore 398.22
see also 837.31; 839.3171; 847.12
Reynolds co., Mo hist. 977.8885
Rhacopilaceae botany 588.21534
Rhadames history 961.2
Rhaetia " ancient 939.84
[4] **Rhaeto-Romanic language** **459.9**
Rhamnales botany **583.279**
Rhapsody music form 781.5083
Rhea co., Tenn history 976.883
(Urticaceae)
field crops 633.55
textile mfg **677.15**
Rhegmatodontaceae botany 588.21512
Rheidae ornithology 598.52
Rheims, *see* Reims
Rhenish
Bavaria history 943.43
Prussia " 943.42
Prussian horse (Equidae)
domestic animals 636.143
sheep (Bovidae) dom. anim. 636.3334
Rheostats elec. stations 621.3174
radio 621.3841333
Rheotropism botany 581.183232
Rhetinangiaceae " 585.957
paleobot. 561.5957
Rhetoric **808**
homiletics **251**
Rheum (Polygonaceae)
garden crops 635.48
Rheumatism pathology 616.991
Rhinanthoideae
(Scrophulariaceae) bot. 583.81
Rhine
Confederation
of the history 943.06
River valley " **943.4**
see also Rhenish
Rhinencephalon anatomy 611.8133
Rhinocerotidae mammalogy 599.7284
Rhinology anatomy 611.86
pathology 616.21
physiology **612.86**
Rhinoplastic operations
surgery 617.95
Rhizidiaceae botany 589.285
Rhizinaceae " 589.2331
Rhizobolaceae
(Caryocaraceae) " 583.1665
Rhizochrysidales " 589.97452

Rhizoctonia
(Hyphomycetes botany 589.2411
Rhizoflagellatae " 589.9748
Rhizogoniineae " 588.21414
Rhizoids root morphology 581.4986
Rhizomastigaceae botany 589.9748
Rhizomes stem morphology 581.49563
Rhizomopterideae botany 587.38
paleobot. 561.738
Rhizophoraceae botany 583.411
Rhizophyllidaceae " 589.415
Rhizopoda zoology 593.11
Rhizosoleniaceae botany 589.6223
Rhode Island
campaign, 1778
American revolution 973.3346
history 974.5
see note under Virginia
red fowls (Gallinae) agric. 636.584
Rhodes
history 949.96
ancient 939.16
Knights of Malta of
heraldry 929.711
scholarships univ. & col. 378.34
Rhodesia history 968.9
Rhodium chemistry 546.97
processes phot. 772.37
Rhodobacteriaceae botany 589.952
Rhodochaetaceae " 589.42
Rhodochytriaceae " 589.47523
Rhododendron
(Ericaceae) " 583.62
Rhodoleioideae
(Hamamelidaceae) " 583.394
Rhodomelaceae " 589.412
Rhodophyceae " 589.41
Rhodophyllidaceae " 589.414
Rhodymeniales " 589.413
Rhoeadales " 583.122
Rhoeadineae " 583.1221
Rhoipteleaceae
(Urticales) " 583.962
Rhombencephalon anatomy 611.816
Rhomboid ligament " 611.7271
muscles " 611.73113
Rhomboidal sinus " 611.828
Rhône
history 944.582
ducks (Anseres) agric. 636.5974
sheep (Bovidae) dom. anim. 636.3336
Rhopalocera entomology 595.789
Rhubarb (Polygonaceae)
garden crops 635.48
Rhus (Anacardiaceae)
field crops 633.871
pharmacy 615.323292
toxicology 615.93
Rhymes
English prosody 426.6
[3] other language —66
nursery folklore 398.8
Rhynchoflagellata bot. 589.9735
Rhynchota agric. pests 632.75
entomology 595.75
Rhyniaceae
(Psilophytales) botany 587.45
Rhynsburgers Remonstrants 284.9
Rhyolite petrology 552.25
Rhythm
drawing composition 741.433
esthetics 701.17
see also specific subject
landscape art 712.25
music composition 781.62
perception psychology 152.753
physiology 612.858745
psychology 152.28745
Rhytidiaceae botany 588.21511
Rib vaulting
arched construction 721.456
architectural design 729.346
Ribaceous fruits
(Grossulariaceae) agric. 634.72
Ribault, Jean Amer. hist. 973.18
Ribbon devel. city plan. 711.416
Ribbons manufactures 677.75
Ribesioideae botany 583.381
Ribs aircraft supports 629.134328
anatomy 611.712
Ricciaceae botany 588.331
Rice co., Kan history 978.154
Minn " 977.6555
(Oryzeae) field crops 633.18
straw shavings
textile mfg. 677.546
Rice-corn (Andropogoneae)
field crops 633.178
paper
plant (Goodeniaceae)
botany 583.58
tree (Araliaceae) bot. 583.491
Richard I, Coeur de Lion
Crusades hist. 940.183
English " 942.032
2 " " 942.038
3 " " 942.046
German " 943.025

Richard de Laprade, P M V
French poet. 841.81
Richardson, Samuel
Eng. fict. 823.61
co., Neb hist. 978.228
Richelicu co., Que " 971.451
Riches wealth distrib. 339.24
Richland co., Ill hist. 977.377
O " 977.128
SC " 975.771
Wis " 977.575
parish, La. " 976.386
Richmond, city, Ind " 977.263
Va " 975.5451
co., Ga " 975.864
NY " 974.726
NC " 975.634
NS " 971.698
Que " 971.465
Va " 975.523
district
Cape Cclony
hist. 968.7495
Natal hist. 968.45
Richter, J P F Ger. fict. 833.62
Richu Japanese history 952.0131
Ricinocarpoideae
(Tricoccae) botany 583.951
Rick, captain, *pseud.*
English poetry 821.75
Rickets pathology 616.996
Riddles folklore 398.6
recreation 793.73
Rideau
canal, Ont commerce 386.460971373
lakes, Ont descr. 917.1373
Riders legis. procedure 328.376
Ridge
ornaments roof constr'n 721.562
roofs archi. " 721.58
Ricicule
school punishment 371.56
Riding
broomsticks sorcery 133.42
clothes domestic econ. 646.47
halls architecture 725.88
horsemanship 798.23
school hygiene 371.736
Rielloideae botany 588.312
Riel's rebellion
1st Canadian history 971.051
2d " " 971.054
Riesling grape
French viticulture 634.8544
German " 634.8543
Rif history 964.2
Rifle
ranges mil. eng. 623.6
shooting " training 355.541
Rifled ordnance " eng. 623.42
Rifles
automatic ordnance 623.4424
manufactures 683
military equipment 355.82
ordnance 623.442
repeating ordnance 623.4423
single shot " 623.4421-2
Rifling " 623.4236
Riga Eur. w., 1917 940.4326
naval battle 940.457
history 947.4
Rigging aircraft constr'n 629.13437
ship outfit 623.86
Riggs' disease dentistry 617.63
Right
and wrong method
psychophysics 152.82333
of assembly polit. sci. 323.47
asylum belligerents 341.3
legal antiq. 340.3
refugees 341.51
petition polit. sci. 323.48
property " " 323.46
search law of war 341.3
standard of ethics 171
to work economics 331.9
see also Freedom of labor
Righteousness
personal religion 248
Righthandedness
physiology 612.76
psychology of habits 158.435
Rights
civil
act, 1875 US history 973.82
constitutional law 342
political science 323-324
private law 347.1
hereditary legis. bodies 328.3352
individual polit. sci. 323.4
insurance of business 368.81
land political economy 333.7-.9
natural " science 323.4
of way city planning 711.172
personal private law 347.1
security purchase 332.63
Rigor mortis physiology 612.742
muscular " 612.7461
Rig-Veda comp. religion 294.1
Rikuchu history 952.113

Rikuoku history 952.112
Rikuzen " 952.114
Riley co., Kan history 978.128
Rilly grape viticulture 634.8544
Rima glottidis anatomy 611.225
Rimouski co., Que hist. 971.477
Rims mot. veh. wheels 629.2485
Rinderpest vet. med. 619.2
Ring
bearings, connecting
mot. veh. engine 629.2524
games, children's 796.13
indoor recreation 793.76
shell ordnance 623.451
toss games 796.24
Ringgold
county, Ia history 977.787
Tenn, campaign, 1863
US Civil war 973.7359
Ringing agric. pruning 631.54224
Rings
athletics 796.46
costume ornaments 391.7
divining psychology 133.323
fastening
office fittings 651.4652
fine arts 739.27
finger eccles. insignia 247.6
industrial production 338.84
motor vehicle engine 629.2523
steam boilers 621.18453
stock & commodity trading 332.64
strength of engineering 620.11286
Ringwaldt, Bartholomäus
German poetry 831.45
Ringworm pathology 616.57
Rinkin islands history 952.81
Rinks architecture 725.86
ethics 175.1
recreation 791.7
Rinuccini, Ottavio
Italian drama 852.52
Rio Blanco co., Colo hist. 978.815
Rio de Janeiro history 981
de Oro " 964.8
Rio Grande
county, Colo history 978.837
national forest, Colo
description 917.8831
River campaign, 1846
US history 973.6234
Rio Muni history 967.18
Rioja, Francisco de
Spanish poetry 861.38
Rios, José Amodor de los
Spanish literature 868.52
Riot duty mil. science 355.426
Riots criminal law 343
polit. science 232.2
prison sociology 365.643
public order 351.752
Rip panels aircraft 629.134382
Ripariae (Euvites) agric. 634.8431
Riparian rights economics 333.91
Ripening butter industry 637.2337
cheese " 637.333
of honey apic. 638.16347
plant growth 631.5476
Ripe-rot (Melanconiales)
botany 589.243
Ripley co., Ind history 977.214
Mo " 977.8894
Ripple-marks geology 551.83
Rippling textile process 677.02821
see also special fibers
Riprap landscape art 717.74
Rising arches
architectural constr'n 721.427
Risk, credit fin. econ. 332.745
Risorius anatomy 611.7326
Ritchie, Mrs A C (Ogden)
Mowatt American drama 812.31
Ritchie co., WVa history 975.424
Rite univ. & col. degrees 378.22
Rites
and ceremonies
social customs 394.4
religious sacraments 265
Rituals
religious
church, Catholic 264.02
Greek 264.019
Prot. Epis. 264.03
etc.
theology 264
Rivadeneira, Pedro de
Spanish literature 868.35
Rivalry school incentive 371.53
River
activity and plant succession botany 581.5243235
cities civic arts 711.421
crossings sewerage eng. 628.26
grape viticulture 634.8432
mouth ports commerce 387.123
navigation sociology 386.3
parks landscape art 712.53

River (cont.)
pollution
industrial sanitation 628.541
reserves natural lands. 719.348
transport vs railways
railroads 385.1263
Rivers, W H R, school
depth psychology 153.822
Rivers
city planning 711.762
forest effects on agric. 634 9224
hydraulic engineering 627.1
hydraulics 532.54
hydrography 526.99
landscape art 714.24
physiography 551.48
stocking of fishery 639.31
water supply 628.11
Riversdale, Cape of Good
Hope history 968.735
Riverside
county, Calif. history 979.497
washhouses architecture 725.196
Riverweed
(Podostemonaceae) bot. 583.921
(Potamogetonaceae) " 584.742
Riveting tools mech. eng. 621.97
Rivets
mechanical fastenings 621.884
mot. veh. frames 629.2424
plumbing 696.4
strength of engineering 620.11287
Rivières du Sud, Guinea
history 966.53
Rivulariaceae botany 589.83
Riyadh history 953.8
Ro universal language 408.9
Roaches, *see* Cockroaches
Road
camps prisons 365.36
design and plantations
landscape art 715.148
houses architecture 725.71
city planning 711.662
locomotives steam eng. 621.14
maint. & repair eng. 625.76
shows recreation 791.1
signs lands. constr'n 713.71
systems engineering 625.71
tests motor vehicles 629.2824
Roadbeds engineering 625.73
railway eng. 625.12
Road-rollers
combustion engines 621.4383
road engineering 625.7
steam " 621.145
Roads
airports 629.1363
and farming agriculture 631.9
pavements eng. 625.7
cemeteries 718.63
city planning 711 7
engineering 625 7
farm economics 631.28
forest engineering 634.9342
landscape construction 713.72
military engineering 623.62
resources 355.27
park design 712.514
sociology 388.1
stone engineering 625.86
underground mining 622.62
see also Highways, Streets
Road-scraper farm tools 631.3115
Roadstead ports commerce 387.125
Roan
ducks (Anseres) agric. 636.5974
Mts, Tenn description 917.6899
Plateau, Colo history 978.816
Roane co., Tenn " 976.884
WVa " 975.436
Roanoke
county, Va history 975.579
Island, NC
battle, 1862
US Civil war 973.7324
naval history 973.752
history 975.6175
Roasting cookery 641.71
[1] **Robbers biography** 923.41
Robbery criminal law 343
Robbia work ecclesiology 246.7
Robert 2 French history 944.021
Robert, of Gloucester
13th cent. English poetry 821.13
Robertson
Cape Colony history 968.733
county, Ky " 976.9415
Tenn " 976.8464
Robertsport history 966.62
Robeson co., NC history 975.633
Robin Hood Eng. poetry 821.04
folklore 398.22
Robinsonaden Ger. fict. 833.54

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Rocaberti, Hugues Bernard de
Catalan poetry 849.912
Roccellaceae botany 589.172
Rochdale
history 942.72
system cooperation 334.5
Rochester, city, NY hist. 974.789
grape vitic. 634.84709
Rock
carving archeology 571.73
county, Minn history 977.625
Neb " 978.274
Wis " 977.587
crystal, *see* Quartz
foundations architecture 721.11
gardens floriculture 635.9672
landscape art 712.626
grape viticulture 634.8436
Hill, SC history 975.7431
Island co., Ill " 977.339
minerals, determination of
petrography 552.81
natural fertilizers 631.851
plants
nectariferous apic. 638.1327
vegetable ecology 581.52654
rose (Cistaceae) bot. 583.134
salt geol., economic 553.63
structure petrography 552.82
tombs architecture 726.82
vegetation lands. art 715.17367
worship comp. religion 291.2121
Rockbridge co., Va hist. 975.585
Rockcastle co., Ky " 976.962
Rockdale co., Ga " 975.8215
Rockefeller
institute education 378.32
wild life refuge, La.
description 917.6352
Rocket propelled
aircraft aviation 629.13338
motor vehicles 629.2518
Rockets
illuminating ordnance 623.45444
ordnance 623.45432
Rockford, Ill history 977.331
Rocking dishes
photographic developing 771.43
Rockingham co., NH hist. 974.26
NC " 975.663
Va " 975.592
Rockland co., NY " 974.728
Rocks
chemic analysis 543.6
Rocks (cont.)
conductivity of geology 551.14
decay of petrology 552.7
eruptive, ores in
geology, economic 553.16
petrology 552
see also qualifying or specific terms
polarity in geology 551.84
reclamation of agric. 631.612
Rockweeds (Fucales) bot. 589.452
Rock-whelk (Prosobranchia)
agriculture 638.38
Rocky
arcas lands. ground forms 713.5
Mount, NC history 975.6469
Mt goat (Bovidae)
dom. animals 636.2937
national park, Colo
description 917.8869
Mts, Canada history 971.1-.2
Colo " 978.83
Ida " 976.6
US " 978
[1] **Rococo architecture** 724.199
designs f. arts 745.44
furn., Fr. " " 749.243
sculpt. " " 735.21993
Rodentia mammalogy 599.32
Rodigues process phot. 776.1
island hist. 969.83
Rodriguez y Diaz Rubí
Tomás Spanish drama 862.52
Rods
glass prac. chemistry 542.231
lightning physics 537.4
locomotive steam eng. 621.1341
psychic spiritism 133.923
strength of engineering 620.11282
Römer, O C Danish lit. 839.8183
Roentgen rays, *see* X-rays
Rothen pathology 616.916
public health 614.524
Rogations, Lycinian
land economics 333.0937
Roger Mills co., Okla hist. 976.616
Rogers county, " " 976.694
Rogue River
Mts, Oregon history 979.523
valley " " 979.52
Roig, Jaime Catalan poet. 849.9133
Rojas Zorrilla, Francisco de
Spanish drama 862.36
Rokujo Jap. history 952.016384

Roland
Chanson de Fr. poetry 841.11
legend folklore 398.22
Rolando
fasciculus of
anat. of myelencephalon 611.8182
spinal cord 611.8261
fissure of anatomy 611.81312
substantia gelatinosa of
anatomy 611.8224
Roll
call legis. procedure 328.375
film adapters phot. 771.32
cameras " 771.3133
cartridges " 771.33
holders camera equip. 771.33
Rolled material, storage of
office records 651.543
Rollenhagen, Georg
German poetry 831.46
Roller
bearings mech. eng. 621.822
coasters recreation 791.7
skates manufactures 685.362
recreation 796.21
skating rinks archi. 725.862
slides photography 771.33
Rollers
door & window constr'n 721.891
farm tools 631.314
gun mounts 623.4353
photomechanic printing 771.8
photomechanics 774.5
(Picariae) ornithology 598.89
strength of engineering 620.11284
Rolling
doors archi. constr'n 721.836
games recreation 795.5
mills architecture 725.433
engineering works 621.77
metal mfg 671
photographic prints 770.2846
presses photography 771.45
stock elec. traction 621.334
railway eng. 625.2
textile process 677.02821
see also special fibers
tillage 631.515
Rollock arches
architectural constr'n 721.412
Rolls
of honor
military science 355.134
school incentive 371.53
Rolls (cont.)
piano, organ, etc.
library acquisition 025.298
administration 025.178
preservation 025.8
Roly-poly games 796.37
Romagnole swine (Suidae)
domestic animals 636.45
Romaic language 489
Roman
antiquities 913.37
architectural styles 722.7
revival of 724.22
camp plan city plats 711.413
Catholic, *see* Catholic
de la Rose Fr. poetry 841.18
Renart French wit 847.12
see also 837.31; 839.3171; 398.22
empire
Eastern history 949.5
history 937.06
Holy
history 943
vs papacy ch. hist. 270.3
fasti chronology 529.3
ladder athletics 796.46
law, sources of jurispr. 349.371–.373
letters elem. writing 372.51
mythology comp. relig. 292
numerals arithmetic 511.2
period Eng. history 942.01
Fr. " 944.01
Ger. " 943.01
Sp. " 946.01
relig., non-Chr. biog. 922.92
sculpture fine arts 733.5
Romance languages 479
Romances
and novels, *see* Fiction
music 780.881
Romanesque
architecture 723.4
[1] **revival** 724.8
sculpture fine arts 734.24
Romania, etc., *see*
Rumania, etc.
Romanies sociology 397
[1] **Romanism** sect. history 282
Romano-Griego architecture 724.14604
Romanos
Ramón de Mesonero y
Spanish fiction 863.52
Romans, epistle to 227.1

[4] **Romansh language** 459.9
Romantic
instrumental music 785.3
piano music 786.43
poetry
literature, American 811.03
English 821.03
[3] other —103
rhetoric 808.13
school polit. economy 330.155
vocal music 784.3
Romanticism
architectural styles 724.3
painting schools 759.912
philosophy 141
Romany language 397
Rome, city history 945.6
anc. 937.6
Ga history 975.8351
history, ancient 937
Rommel grape viticulture 634.84709
Romney marsh sheep (Bovidae) domestic animals 636.3215
Rondo music form 781.50813
piano music 786.41
Roney grate stokers
steam boiler furnace 621.18364
Ronietta history 966.46
Ronsard, Pierre de
French poetry 841.34
Rood screen eccles. furn. 247.2
Roof
decoration
archi. constr'n 721.56
carved architecture 729.593
painted " 729.493
garden furnishing
dom. economy 645.8
gardens landscape art 712.6247
houses archi. constr'n 721.578
openings " " 721.55
plans architecture 729.21
playgrounds lands. art 712.546
Roofing building indus. 695
Roof-nuclei anatomy 611.81713
Roofs
architectural design 729.35
construction of
architecture 721.5
engineering 624.9
thatched manufactures 677.541
Rooks co., Kan history 978.118
Room furnishings
domestic economy 645.6
Rooming houses archi. 728.27
Rooms
architectural plans 729.21
domestic economy 643.2
library
in other buildings 022.37
shape, dimensions, etc. 022.342
office building 651.16
rentable hygiene 613.53
school education 371.62
sequence of
architectural plans 729.24
special
museum buildings 069.24
equipment for 069.36
Roosevelt
F D, pres. US hist. 973.917
Theodore, pres. " " 973.911
Root
anatomy botany 581.4982
crop harvesters agric. 631.3584
cuttings plant cuttings 631.5356
differentiation botany 581.49813
forms, carved archi. 729.51
painted " 729.41
grafting agriculture 631.54141
hairs veget. morphology 581.4781
houses architecture 728.9534
maggots (Brachyera)
agricultural pests 632.772
origin botany 581.49812
pressure physiol. bot. 581.11563
suckers plant culture 631.5331
Root-rot (Melanconiales)
botany 589.243
Roots
aerial veget. morphol. 581.4986
art anatomy 743.798
field crops 633.4
garden " 635.1
harvesting 631.5564
perfume crops 633.815
primary botany 581.3348
2dary veget. morphol. 581.4985
vegetable morphology 581.498
washers for agriculture 631.3626
zootechnic food 636.0864
Rope
fibers field crops 633.5
industry 677.7
spinning recreation 796.21
walking " 791.1
Ropes
athletics 796.46
hoisting mining 622.67
transmission mech. eng. 621.853–.854
wire, strength of eng. 620.11288

Roque sports 796.354
Roquefort cheese
dairy industry 637.3551
Roridulaceae botany 583.392
Rosa, Salvatore It. wit 857.55
Rosaceae botany 583.37
Rosaki grape viticulture 634.849
Rosales botany 583.3
Rosario Strait, Wash history 979.772
Rosary ecclesiology 247.9
Roscommon
county, Ire. history 941.75
Mich " 977.476
sheep (Bovidae)
dom. animals 636.3219
Rose
apple (Myrtaceae)
fruitculture 634.422
holly- (Turneraceae)
botany 583.455
of Jericho
(Brassicaceae) botany 583.123
(Inulaceae) " 583.5542
Peru grape vitic. 634.849
(Rosaceae) field crops 633.811
windows archi. constr'n 721.843
Roseau co., Minn history 977.698
Rosemary
(Lamiaceae) field crops 633.812
marsh-
(Ericaceae) botany 583.62
(Plumbaginaceae) " 583.671
Rosenkrantz, Holger
Danish literature 839.8183
Rosenmüller's organ anat. 611.6676
Rosenstein cattle (Bovidae)
domestic animals 636.2452
Roses, wars of Eng. hist. 942.04
Rosetta stone inscriptions
Egyptian philology 493.117
Greek " 481.7
Rosette herbs bot. 582.144
Rosewood (Bignonaceae) " 583.84
(Fabaceae) " 583.322
(Juniperaceae) " 585.216
(Meliaceae) " 583.251
(Mimosaceae) " 583.321
(Myoporaceae) " 583.871
(Sapindaceae) " 583.282
Rosicrucians secret soc. 366.4
Rosineae botany 583.31
Rosini, Giovanni It. fict. 853.71
Rosmarinus officinalis (Lamiaceae) field crops 633.812
Rosminians relig. order 271.79
Rosoideae (Rosaceae) bot. 583.37
Ross and Cromarty co., Scot.
history 941.15
county, O history 977.182
Rosseti, D G Eng. poetry 821.84
Rossetti, G P G It. " 851.72
Rostral furniture archi. 729.92
Rostrums church archi. 726.593
Rota, Berardino It. poet. 851.42
Rotary
blowers engineering 621.62
converters elec. eng. 621.31357
pumps engineering 621.66
spaders farm tools 631.3115
spark gaps radio 621.3841312
Rotation
cytoplasmic botany 581.1863
dynamics 531.34
forest management 634.928323
in office, *see* Spoils syst.
of celestial bodies
astronomy 521.15
crops agric. meth. 631.582
earth and tides
astronomy 525.67
astronomy 525.35
sun " 523.73
Rotatores anatomy 611.73168
Rote learning psychology 154.432
teaching education 371.31
Rotgans, Lucas Dutch poet. 839.31141
Rotifera zoology 595.18
Rotogravure process phot. 777.1
Rotor
steam turbines constr'n 621.16534
theory 621.16514
Rotten boroughs
legis. representation 328.3345
Rotterdam history 949.2
Roucher, J A Fr. poetry 841.55
Rouen
ducks (Anseres) agric. 636.5974
history 944.25
Rouge et noir card games 795.42
Rough leaf tree (Dilleniaceae) botany 583.112
Roughness sensation
physiology 612.88
psychology 152.574
Rouillé-Ladeveze process
photography 773.122
Roulette ethics 175.5
games 795.2
geom., Cartesian 516.26
halls archi. 725.84

Roumania, etc., *see* Rumania, etc.
Roumanille, Joseph
Provençal poetry 849.144
Round
arches archi. constr'n 721.412
dances recreation 793.33
diatoms (Centriae) bot. 589.622
roofs archi. constr'n 721.593
table romance folklore 398.22
towers architecture 725.973
trip passenger rates railroads 385.132236
vocal music 784.1
windows archi. constr'n 721.843
worms (Gordiacea) pathol. 616.965
Roundheaded borers (Tetramera) agric. pests 632.768
Roundheads Eng. history 942.06
Roundhouses architecture 725.33
Roundpoints street plan. 711.73
Rounds children's games 796.13
Roundup zootechny 636.08111
Rousseau, J B Fr. poet. 841.51
J J " fict. 843.56
philosophy 194.4
Roussillon swine (Suidae) domestic animals 636.447
Roussin process phot. 772.52
Roussonne grape vitic. 634.8544
Route indicators aircraft equipment 629.13513
Routes
canal engineering 626.1
oceanic commerce 387.52
railroad engineering 625.11
Routines office economy 651.453
psychol. of will 159.3
Routing shop management 658.512
Routt co., Colo history 978.814
Rouville co., Que " 971.453
Rouxville " 968.58
Row markers farming 631.3314
sowing agriculture 631.5312
Rowan co., Ky history 976.957
NC " 975.671
Rowboats shipbldg 623.829
Rowe, Nicholas English drama 822.55
Rowing machine athletics 796.44
sports 797.123
Rowland syst. telegraphy 621.38257
Rowlock arches architectural constr'n 721.412
Rowson, Mrs Susanna (Haswell) American fiction 813.22
Roxburgh history 941.47
Roxburghiaceae botany 584.31
Royal
Gorge, Arkansas River Colo description 917.8853
houses heraldry 929.7
[1] **lives biography 923.1**
Royale silk industry 677.4164
Royalties publishing 655.52
Royalty and genius psychology 151.13
Roydsioideae (Capparidaceae) botany 583.131
Roye Eur. w., 1917 940.4314
1918, Mar. 940.4341
Aug. 940.4354
Ruanda-Urundi history 967.57
Rubaceous fruits (Rosaceae) agriculture 634.71
Rub'-al-Khali history 953.7
Rubber
arts & crafts 745.57
bags for gas storage practical chemistry 542.75
bands office supplies 651.4662
engraving fine arts 761.4
erasers office supplies 651.4663
fabrics textile mfg 677.55
in clothing dom. econ. 646.181
latex forest products 634.9865
see also Resins and gums
military resources 355.24
motor vehicle material 629.23232
organic chemistry 547.24
products factories archi. 725.418
manufactures 678
stamps office fittings 651.4653
Rubberized fabrics mfg 677.68
Rubberneck wagons motor vehicles 629.2223
operation 629.2833
Rubble stone foundations architecture 721.1332
Rubefacients therapeutics 615.773
Rubella pathology 616.916
public health 614.524
Rubiaceae botany 583.52
Rubiales " 583.51
Rubidium chemistry 546.35
Rubies cattle (Bovidae) domestic animals 636.2261
Rubra, vitis agriculture 634.8433

Rubrics Catholic rit. 264.022
Greek " 264.0192
Prot. Epis. " 264.032
etc.
Rucellai, Giovanni
Italian poetry 851.33
Rudbeck, Olof Swed. lit. 839.7831
Rudder aircraft constr'n 629.13433
shipbuilding 623.85
Rudeness employes ethics
library economy 023.96
office " 651.446
Rudolf 1 Ger. history 943.026
2 " " 943.034
Lake history 967.618
province " 967.617
Rudolstadt, Schwarzburg-
history 943.27
Rue (Rutaceae) botany 583.23
Rückert, Friedrich
German poetry 831.74
Rufiji River history 967.84
Rufisque " 966.32
Rugby sports 796.33
Rugosa paleozoology 563.61
zoology 593.61
Rugs arts & crafts 745.52643
domestic economy 645.1–.2
handmade fancywork 746.7
hyg. of dwellings 613.593
interior dec. 747.42
manufactures 677.643
office furnishings 651.2414
Ruins, haunted folklore 398.32
landscape design 717.682
see also Antiquities
Ruiz de Alarcón y Mendoza
Juan Spanish drama 862.34
Ruiz, Juan Spanish wit 867.1
Rulander grape vitic. 634.8543
Rule
golden ethics 171.1
of nature polit. econ. 330.152
Ruler
[1] **foreign government 354**
worship comp. religion 291.213
Rulers
[1] **biography 923.1**
estates landscape art 712.644
mechanical drawing 744.3
office fittings 651.4654
palaces of architecture 725.17
Rules
and manuals
legis. procedure 328.371
regulations
army mil. sci. 355
for employes
economics 331.14
lib. econ. 023.9
office " 651.44
underwriters
elec. lighting 621.3281
local transit 388
museum admin. 069.62
of ass'ns, soc., etc.
in specific fields
[2] see subject —06
school discipline 371.51
Sunday schools 268.51
in other specific
[2] fields see subject —00037
committee legislature 328.375
fundamental arithmetic 511.2
of order, parliamentary
political science 328.1
Rum chemic technology 663.5
Rumania
campaign, 1915 Eur. w. 940.4255
1916 " " 940.4281
1917 " " 940.4327
history 949.8
Rumanian
[4] **language 459**
swine (Suidae)
dom. animals 636.474
Rumex
hymenosepalus (Polygonaceae) field crops 633.871
(Polygonaceae)
garden crops 635.45
Ruminantia mammalogy 599.735
Ruminants (Bovidae)
domestic animals 636.2–.3
Rumination physiology 612.3275
Rumoe history 952.495
Rumpless fowls (Gallinac)
agriculture 636.5882
Runeberg, J L Swed. poet. 839.7167
Runes
Anglo-Saxon philology 429.17
German " 437.0117
Gothic " 439.917
old Norse " 439.617
Runius, Johan Swed. poet. 839.7136

Runners
(Cursores) ornithology 598.5
floriculture 635.946
office personnel 651.3746
plant culture 631.5332
dissemination 581.52266
vegetable generation 581.1655
Running
and functioning, in specific
[2] fields see subject —000364
athletics 796.42
boards motor vehicle 629.2674
gear electric cars 621.3347
locomotive eng. 621.135
railroad " 625.21
horse (Equidae)
dom. animals 636.122
hygiene 613.72
psychology 158.82
tracks, indoor archi. 725.865
Water River, Neb hist. 978.271
Runnymede, *pseud.*
English fiction 823.86
Runt-pigeons (Columbae)
agriculture 636.59613
Runways airports 629.1363
Ruo history 968.979
Rupert's Land history 971.2
Rupestreae (Euvites)
agriculture 634.8435
Rupprecht Ger. history 943.027
Rupture
of genital tract obstetrics 618.55
pathology 616.34
surgery 617.55
Rural
aid welfare work 361.2
architecture 728.6
birth rate demography 312.1
camps city planning 711.582
cemeteries lands. art 718.8
churches architecture 726.534
communities polit. sci. 323.354
depopulation agric. 630.1
immig. 325.12
economics agriculture 631.1
education pub. schools 379.173
Rural (cont.)
free delivery
postal service 383.1
land rent polit. econ. 333.5
libraries 027.4223
life agriculture 630.1
mortality pub. health 614.145
planning civic arts 711.582
population demography 312.9
press journalism 070.236
prisons sociology 365.52
rehabilitation agric. 630.1
immig. 325.12
roads engineering 625.711
slums city planning 711.583
labor economics 331.833
water supply san. eng. 628.7
see also Country
Rush, Benjamin
American essays 814.21
Rush co., Ind history 977.261
Kan " 978.148
Rushes
club- (Cyperaceae) bot. 584.841
(Juncaceae) fiber crops 633.585
textile mfg 677.544
scouring (Equisetaceae)
botany 587.211
spike- (Cyperaceae) bot. 584.841
see also qualifying or specific terms
Rusk co., Wis history 977.519
Ruskin, John Eng. essays 824.86
Russell
county, Ala history 976.1485
Kan " 978.151
Ky " 976.9655
Ont " 971.385
Va " 975.5755
process photography 772.14
Sage wild life refuge, La.
description 917.6349
Russia
campaign, 1914 Eur. w. 940.4226
1915 " " 940.4254
1916 " " 940.4277
1917 " " 940.4326
1918 " " 940.4374
history 947
in Asia history 957
Russian
almond (Rosaceae)
nuciculture 634.552
[1] **church** 281.9
[4] **language** 491.7

Russian (cont.)
speed horse (Equidae)
domestic animals 636.1271
swine (Suidae)
domestic animals 636.475
Russkaya pravda jurispr. 349 47
[4] **Russniak language** **491 79**
Russo-Japanese war
Japanese history **952 0318**
Russian " 947 08
Russo-Turkish war, 1877–78
Russian history 947.08
Rust
joints plumbing 696.6
pathologic botany 581.2325
(Uredinales) " botany 589.225
white (Albuginaceae) " 589.252
Rustenburg history 968.28
Rustproofing bldg indus. 691.7
Rut, breeding zootechny 636.082451
Rutabaga (Brassicaceae)
field crops 633.426
garden " 635.126
Rutaceae botany 583.23
Rutebeuf French poetry 841.17
Rutenbergiaceae botany 588.21532
Ruth Bible 222.3
Ruthenia, Carpathian hist. 943.74
see also Ukraine
[4] **Ruthenian language** **491.79**
Ruthenium
group chemistry **546.95**
processes photography 772.38
Rutherford
county, NC history 975.691
Tenn " 976 857
hearing theory physiol. 612.8501662
psychol. 152.201662
Ruthland co., Eng. hist. 942.545
Rutilariaceae botany 589.6222
Rutland co., Vt history 974.37
Rutoideae (Rutaceae) bot. 583.23
Rydberg, Viktor
Swedish fiction 839.7367
Rydelius, Anders
Swedish literature 839.7834
Rye (Hordeae) field crops 633.14
grass " 633.263
House plot
English history 942.066
Rycland sheep (Bovidae)
domestic animals 636.3242
Ryngota entomology **595.75**
Ryojunko, Manchuria hist. 951.822
Ryomo history **952.138**
Ryswick treaty, 1697
international law 341.24
Ryukyu islands history 952.81

S

S type airplane eng. 629.13516
Saanen goat (Bovidae)
domestic animals 636.3939
Saar basin history 943.42
Saavedra Fajardo, Diego de
Spanish literature 868.36
Sabadilla (Melanthaceae)
botany 584.321
see also Veratrum
Sabal (Palmaceae)
fiber crops 633.584
Sabbatarians sect. hist. 289.9
Sabbath theology **263**
witches' sorcery 133.42
Sabbatic year
library staff 023.664
office economy 651.4264
teachers 371.168
[4] **Sabean language** **492.9**
Sabeism philosophy 181.7
Sabellianism heresies 273.3
Saber fencing sports 796.865
Sabers fine arts 739.72
Sabiineae botany 583.291
Sabine parish, La. hist. 976.362
Sabines hist., ancient 937.4
Sable (Mustelinae) mammal. 599.744472
Sabotage indus. disputes 331.8931
mil. Eur. w. 940.405
science 355.21
Sac brood bee diseases 638.1542
county, Ia history 977.7424
Saccharoclastic ferments
physiologic metabolism 612.39632
Saccharomycetineae
(Fungi) botany 589.2361
(Protophyta) " 589.91
Saccharose and nutrition
physiology 612.39614

Saccharum officinarum
(Andropogoneae)
field crops 633.61
Sacchetti, Franco
Italian fiction 853.21
Saccoderm desmids botany 589.614
Saccule
of ear membrane
anatomy 611.8524
physiology 612.8582
psychology 152.282
Sachs, Hans Ger. poetry 831.44
Sachsenheim, Hermann von
German poetry 831.33
Sacks, seamless textile mfg 677.67
Sacral
artery, lateral anat. 611.1374
middle " 611.1363
cord " 611.8215
lymph glands " 611.4651
nerves " 611.835
plexus " 611.8357
Sacramental furn. archi. 729.91
Sacramentals
public worship 264.9
Sacramento
county, Calif. hist. 979.453
River valley, Calif.
history 979.45
Sacraments Catholic rit. 264.025
Greek " 264.0195
Prot. Epis. " 264.035
etc.
theology 265
Sacred
books Bible 220
comp. religion 291.8
heart
of Jesus, Soc. of the
relig. sisterhoods 271.93
Sisters of the 271.977
music, *see* Music, relig.
Persons comp. relig. 291.6
places, streams, etc.
comparative religion 291.35
writers Bible 220.1
comp. religion 291.64
see also Religious
Sacrifice
Christology 232.4
of children
customs & manners 392.2
Sacrifices Bible 220.93
NT 225.93
OT 221.93
Sacrifices (cont.)
sacraments 265.3
Sacrilege " 265.9
Sacristies church archi. 726.596
Sacrococcygeal
joints anatomy 611.7217
symphysis " 611.7281
Sacroiliac ligaments anat. 611.7281
Sacrospinal muscles " 611.7313
Sacrum anatomy 611.7117
Sacy grape viticulture 634.8544
Sadatoki Jap. history 952.02126
Saddle
bags agriculture 631.3732
manufactures 685.514
bow cord " 677.74
breaking to zootechny 636.08861
factories architecture 725.415
goat (Bovidae)
dom. animals 636.3936
grafting agriculture 631.54134
horses (Equidae)
dom. animals 636.13
Mts, Wash history 979.732
Saddleback roofs archi. 721.586
Saddlery trades 685.1
Saddles agric. transport 631.374
Sadirons laundry bus. 648.42
Sadism psychology 132.7544
Sadness, pathologic
medicine 616.8954
psychology 132.1954
Sado history 952.1517
Sängerbund festivals music 784.5
Safe deposit
banks architecture 725.24
companies fin. econ. 332.27
storage architecture 725.35
vaults office bldg 651.16
Safe-edge phot. prints 770.2849
Safe-lights photography 771.24
Safes, automatic mfg 681.145
office economy 651.16
Safety
arches archi. constr'n 721.426
belts aircraft equip. 629.1357
campaigns schools 371.711
child labor 331.35
devices
aircraft 629.1344
central telephony 621.38794
electric lines 621.3198
stations 621.3178
elevators 621.87785
indus. management 658.283
locomotive eng. 621.139

Safety (cont.)
devices (cont.)
mining 622.8
office buildings 651.19
ordnance 623.4243
steam turbines 621.16535
telegraphy 621.38328
terminal telephony 621.38694
see also Protective devices
industrial economics 331.823
lamps mining 622.47
measures ordnance 623.483
pub. health 614.8
public administration 351.75
students' education 371.71
valves
locomotive boilers 621.1339
steam " 621.18473
piping 621.1854
women's employment 331.45
Safflower (Carduaceae)
botany 583.5533
Saga, Emperor Jap. hist. 952.01613
Japan history 952.221
Sagadahoc co., Me hist. 974.185
Sagami history 952.133
Sagas folklore 398.22
Norse literature 839.6
Sage
cheese dairy industry 637.3542
foundation sociology 306.2747
(Lamiaceae) garden crops 635.71
Sagebien wheels
mech. engineering 621.224
Sagebrush (Carduaceae)
botany 583.5533
Sage-rose (Turneraceae)
botany 583.455
Saghalien, *see* Sakhalin
Saginaw co., Mich hist. 977.446
Sagittarius
occult astrology 133.522
Sago chem. technology 664.2
Saguache co., Colo hist. 978.849
Range " " 978.84
Saguenay co., Que hist. 971.417
Sahara desert history 966.11
Sahel, Sudan " 966.22
[4] **Saho, Afar-, language 493.54**
Saikaido history 952.2
Saikyo " 952.1912
Sail-cloth textile mfg 677.02864
see also special fibers
Sailing
directions transport bus. 656
sports 797.124
vessels shipbuilding 623.821-.822
Sailmaking trades 689
Sailors
biography 926.56
children, care of
sociology 362.75
homes architecture 725.59
public welfare 362.8
libraries 027.644
life hygiene 613.68
[1] **military biography 923.5**
suffrage 324.162
limitation 324.177
YMCA work with 267.368
Sails ship outfit 623.86
Saimei, Empress Jap. hist. 952.0142
Sainfoin (Fabaceae)
field crops 633.361
Saint
Albans raid US Civ. war 973.722
Amant, M A G Fr. wit 847.42
Andrew parish, Ga hist. 975.8733
Augustine, Fla " 975.9181
Bartholomew massacre
church history 272.4
Bernard
Crusades 940.182
hospice of pub. health 614.87
parish, La. history 976.336
Brandans islands hist. 969.84
Catherines, Ont " 971.351
Charles co., Mo " 977.839
parish, La. " 976.333
Clair
Arthur US history 973.42
county, Ala. " 976.169
Ill " 977.389
Mich " 977.441
Mo " 977.8466
Croix co., Wis " 977.541
David parish, Ga " 975.874
Francis co., Ark " 976.791
Lake, Ark
description 917.6796
River, Ark hist. 976.79
François co., Mo " 977.868
grape vitic. 634.8544
George parish, Ga hist. 975.865
Germain-en-Laye, treaty
1632 Can. history 971.016
int'l law 341.24

Saint (cont.)
Helena island history 997
parish, La. " 976.315
Helens, Mt, Wash descr. 917.9784
Hyacinthe co., Que hist. 971.452
James parish, Ga " 975.8733
La. " 976.331
Joe nat'l forest, Ida
description 917.9691
John co., Fla history 975.918
NB " 971.532
parish, Ga " 975.8733
of Jerusalem, Knights
of heraldry 929.711
the Baptist parish
La. history 976.332
see also John, St
John's
bread (Caesalpiniaceae)
fruitculture 634.462
county, Que hist. 971.438
Johnswort (Hypericaceae)
botany 583.162
Joseph, city, Mo hist. 977.8131
county, Ind " 977.289
Mich " 977.419
Landry parish, La. " 976.346
Laurent grape vitic. 634.8543
Lawrence
county, NY history 974.756
River counties, Ont 971.37
history 971.4
Louis co., Minn hist. 977.677
Mo " 977.865
East, Ill " 977.389
Senegal " 966.31
Lucie co., Fla " 975.929
Marc Girardin
French essays 844.75
Mark's, Tembuland hist. 968.654
Martin parish, La. " 976.348
Mary, *see*
Madonna; Mary, Virgin
Mary parish, Ga hist. 975.8746
La. " 976.342
Marylebone, London " 942.14
Marys co., Md " 975.241
Matthew parish, Ga " 975.872
Maurice co., Que " 971.445
Mihiel Eur. w., 1914 940.4218
1918 940.4357
Pancras, London hist. 942.14
Patrick parish, Ga " 975.874

Saint (cont.)
Paul, city, Minn hist. 977.6581
epistles of 227
island, Indian Ocean
history 969.92
parish, Ga history 975.864
Petersburg, Fla " 975.9631
Russia " 947.4
Philip parish, Ga " 975.872
Pierre, J H B de
French fiction 843.61
Pierre island history 971.8
Quentin Eur. w., 1917 940.4317
1918 940.4341
history 944.34
Quentin-Cambrai battle
European war, 1915 940.4243
1918 940.4362
Simonism polit. econ. 335.25
Tammany parish, La.
history 976.312
Thiery grape vitic. 634.8544
Thomas
city, Ont history 971.335
island, Gulf of Guinea
history 966.994
parish, Ga history 975.8746
Vitus' dance, *see* Chorea
Sainte
Beuve, C A Fr. essays 844.74
Genevieve co., Mo hist. 977.869
Saint-Evremond, Charles de
Marguetel de Saint
Denis de Fr. essays 844.42
Saintonge
history 944.64
sheep (Bovidae)
dom. animals 636.3427
Saints
apostolic NT biography 225.92
chapels architecture 726.595
comparative religion 291.6
days labor holidays 331.817
doctrinal theology 235
in art 704.9486
ecclesiology 246
painting 755.6
[1] **Latter-day Mormons 289.3**
lives of biography 922
perseverence of the
soteriology 234.9
worship of comp. relig. 291.213
Saitama history 952.137

Sakhalin history 957
Jap. 952.6
Saktism Hinduism 294.551
Sakuramachi Jap. hist. 952.02525
Sakushu history 952.1947
Salads cookery 641.83
garden crops 635.5
see also qualifying or specific terms
Salaga history 966.78
Salamanders (Urodela)
herpetology 597.9
Salaries, *see* Wages
Salem
city
Mass
history 974.45
witchcraft occultism 133.409744
US hist. 973.25
Ore history 979.5371
county, NJ history 974.991
grape viticulture 634.84709
plateau, Ark history 976.72
Salernitano, Masuccio
Italian fiction 853.31
Salerno history 945.74
Sales, St Francis de
Oblates of mon. ord. 271.76
sisterhood relig. " 271.975
Sales
analysis business meth. 658.808
bargain advertizing 659.16
bills of private law 347.3
business methods 658.85
catalogs zootechny 636.08188
cases adver. display 659.157
channels bus. meth. 658.84
contests " " 658.85079
dept bus. management 658.81
equip. indus. " 658.282
letters bus. methods 658.824
manager 658.811
motor vehicles 629.2138
outright marketing 658.831
promotion bus. meth. 658.82
radio manufactures 621.384184
records business meth. 658.817
resistance advertizing 659.10115
stock indus. storage 658.7842
tax delinquency
public finance 336.292
taxes public finance 336.2713
Salesian sisters
religious orders 271.975
Salesmanship
business methods 658.85
in special businesses 658.89
psychol. of bus. meth. 658.801
Salesmen
buying methods 658.724
house-to-house bus. 658.847
training bus. methods 658.807
traveling " " 658.846
Salesrooms " " 658.841
Salic law Ger. jurispr. 349.4302
Salicales botany 583.981
Salicin and nutrition
physiology 612.396175
Salicylates therapeutics 615.75
Salicylic acid
disinfection
public health 614.486
organic chemistry 547.7
Salina, Kan history 978.1546
Saline
county, Ark history 976.772
Ill " 977.3992
Kan " **978.1545**
Mo " 977.847
Neb " 978.2327
waters geol., economic 553.72
Salines cathartics 615.7322
Salisbury, NC history 975.6711
Rhodesia " 968.937
Salisburyaceae (Ginkgoaceae)
botany 585.7
Saliva physiology 612.313
Salivary
bacteriology physiol. 612.31363
glands
anatomy 611.316
pathologic physiol. 612.3136
medicines therap. 615.741
nucleus anatomy 611.81768
secretion
and nervous system
physiology 612.3138
physiology 612.3133
zoology 591.143
Salivation
and facial nerve
physiology 612.81977
method comp. psychol. 151.3072586
Salles d' asile
French elem. education 372.944
Sallustc du Bartas, Guillaume
French poetry 841.37

Sallustius Crispus, Caius
Latin literature 878.2
Salmon
and Garnier process
photography 773.2
nat'l forest, Ida descr. 917.9678
(Physostomi) ichthyol. 597.55
River Mts, Ida hist. 979.678
valley, " " 979.682
Salmon-Lost River district, Ida
history 979.67
Salomon und Morolf
German wit 837.22
Salon orchestra music 785.1
Salonika campaign Eur. w. 940.4256
history 949.5
Saloons architecture 725.72
city planning 711.662
temperance 178.4
Salop history 942.45
Salpae zoology 594.96
Salpingectomy
crime prevention 364.42
Salpingopharyngeus anat. 611.73276
Salsette hemp (Fabaceae)
field crops 633.562
Salsify (Cichoriaceae)
garden crops 635.16
Salt
apicultural food 638.12153
baths prac. chemistry 542.46
chemic technology 664.4
Fork, Ark. River, Okla
history 976.62
geology, economic 553.63
glaze stoneware 738.33
Lake City, Utah hist. 979.2
mining 622.363
petrology 552.53
River, Ky history 976.945
sculpture fine arts 731.257
spray lands. planting 715.158
zootechnic feeding 636.0843
food 636.0877
Saltatoria entomology 595.726
Salting butter industry 637.2335
Saltpeter mineralogy 549.72
Salts
absorption in
intestines physiol. 612.33275
stomach " 612.32275
Salts
action of mesology 612.014463
and absorption physiol. 612.3821
nutrition " 612.3926
Salts (cont.)
biliary physiology 612.35714
chemic technology 661.4
chemistry of blood 612.126
theoretic 541.4
concentrated, solutions
silk industry 677.468
Epsom cathartics 615.7322
in food dom. economy 641.17
muscle physiology 612.74416
urine " **612.4616**
metallic
emetics 615.731
processes phot. 772
protective action of
botanic chemistry 581.1928
Saluda co., SC history 975.738
Salum history 966.32
Salutes mil. science 355.134
Salvador
history 972.84
Lake, La. description 917.6333
Salvadoraceae botany 583.716
Salvage cuttings silvic. 634.9536
maritime law 347.7
shop management 658.5671
transport bus. 656
Salvation
army bldgs architecture 726.9715
European war 940.4772
libraries 027.673
religious ass'ns 267.15
doctrinal theology 234
Salvia (Lamiaceae)
garden crops 635.71
Salviati, Leonardo
Italian essays 854.45
Salviniales botany 587.311
Salzburg history 943.63
Samaniego, F M de
Spanish poetry 861.44
Samaritan language 492.5
text Bible 220.45
Samaritanism Judaism 296
Samarium chemistry 546.692
Sama-Veda comp. religion 294.1
Sambucus (Caprifoliaceae)
fruitculture 634.747
Samnite wars Rom. hist. 937.03
Samnium hist., ancient 937.7
Samoa, German Eur. w. 940.4239
Samoan Islands history 996.1
Samos history 949.94
ancient 939.14
Samoyedic languages 494.4

Samphire (Ammiaceae)
garden crops 635.74
Sample
cases adver. display 659.157
room sales methods 658.845
Samplers fancywork 746.445
Samples
demonstration of adver. 659.156
distribution of " 659.113
selling from bus. meth. **658.845-.847**
Sampling
quantitative analysis 545.1
statistics 311.22
Sampson co., NC history 975.6375
Samsõe O J Danish drama 839.81253
Samuel Bible 222.4
Samuela (Liliaceae)
cordage manufactures 677.71
fiber crops 633.5772
Samydaceae botany 583.451
San
Antonio, Tex., battle, 1847
US history 973.6238
Benito co., Calif. hist. 979.475
Bernardino co., " " 979.495
Bois Mts, Okla. descr. 917.6677
Clemente island, Calif.
history 979.493
Diego co., Calif. hist. 979.498
Domingo apricot (Guttiferaceae) fruitculture 634.654
see also Dominican Republic
Francisco co. and city
Calif. history 979.461
Gemignano, Folgore da
Italian wit 857.11
Isabel nat'l forest, Colo
description 917.8852
Joaquin co., Calif. hist. **979.455**
José, Calif. " 979.474
scale (Coccidae)
agric. pests 632.7523
Juan co., Colo history 978.825
Wash " 979.774
de Fuca Strait, *see*
Juan de Fuca Strait
Mts, Colo descr. 917.8838
nat'l forest, Colo
description 917.8832
tree (Vochysiaceae)
botany 583.145
Lorenzo, treaty of, 1795
international law 341.273
US history 973.43
San (cont.)
Luis
Obispo co., Calif.
history 979.478
Park, Colo description 917.8849
Potosi history 972.4
Marino " 945.4
Mateo co., Calif. hist. 979.469
Miguel
county, Colo " 978.823
island, Calif. " 979.491
Nicholas island, Calif.
history 979.492
Salvador history 972.84
Sancho 4, el Bravo
Spanish literature 868.12
Sanctification theol. 234.8
Sanctifier, God as " 231.3
Sanctifying grace " **234.12**
Sanction, pragmatic
Gallic church 282.44
political science 321.6
Sanctis, Francesco de
Italian essays 854.81
Sanctuary
legal antiquities 340.3
relig. architecture
Christian 726.593
non-Christian **726.1**
Sanctus music 783.22
Sand, George, *pseud.*
French fiction 843.82
Sand
baths prac. chemistry 542.46
binding veget. ecol. 581.52233
cherry (Rosaceae)
fruitculture 634.24
divination psychology 133.323
elevators architecture 725.366
filtration waterworks 628.16
flea (Amphipoda) zool. 595.371
foundations archi. 721.11
games, children's 796.12
grape viticulture 634.8436
Mt area, Ala history **976.171**
petrology 552.51
piles architecture 721.141
table work
kindergartens 372.212
Sunday schools 268.684
Sand-
blasts pneumatic eng. 621.549
box locomotive " 621.139

Sand- (cont.)
bugs (Malacostraca)
zoology 595.36
hills, Neb history 978.27
NC " 975.63
SC " 975.76
piper (Limicolae)
ornithology 598.33
stone
foundations archi. 721.1332
geol., economic 553.53
hills reg., Okla hist. 976.67
old red geology 551.74
petrology 552.51
storms meteorology 551.55
Sandals costume 391.4
Sandalwood
bastard (Myoporaceae)
botany 583.871
(Santalaceae) field crops 633.814
Sandell films
photographic chemistry 771.528
Sandemanians sect. hist. 289.9
Sander, C. L. Danish drama 839.81256
Sands geology, economic 553.62
San-Dunajec battles
European war 940.4253
Sandusky, city, O hist. 977.1221
co., " " 977.1214
Sandwich
islands, Hawaii hist. 996.9
men advertizing 659.135
Sandwiches cookery 641.84
Sandy soils floriculture 635.9557
Sandys, George
American poetry 811.11
Sanetomo Jap. history 952.02112
Sanford grape vitic. 634.846709
Sanforizing textile mfg 677.02824
see also special fibers
Sanga history 967.27-.28
Sangamon co., Ill hist. 977.356
Sanger-Shepherd process
photography 778.66
Sangre de Cristo
grant, Colo history 978.835
Range, " " 978.849
San-greal legend folklore 398.22
Sanguification, *see*
Hematopoiesis
Sanguine type personality 137.42
Sanhedrin Judaism 296
Sanicle (Apiaceae) bot. 583.481
Saniculoideae (Apiaceae)
botany 583.481
Sanilac co., Mich hist. 977.443
Sanindo history 952.19
Sanitarium
grounds landscape art 712.74
libraries 027.6622
towns city planning 711.455
Sanitariums
children's sociology 362.78
for incurables archi. 725.513
hygiene 613.12
sociology 362.13
see also Asylums
Sanitary
appliances hygiene 613.078
pub. health 614.078
commission, US
charity 361.53
Civ. war charities 973.7771
commissions
engineering 628
local government 352.4
public health 614.061
districts
Eng. local gov't 352.04205
laws local gov't 352.4
plats city planning 711.415
police administration 351.77
services aircraft 629.13861
mil. estab. 355.72
surveys of soil
public health 614.77
Sanitation
camp logging 634.982256
child labor 331.35
city planning 711.13
domestic 648
engineering 628.6
engineering 628
in Hungary engineering 628.094391
Palmyra " 628.093943
Topeka " 628.09781631
etc.
industrial 658.239
engineering 628.5
public health 614.7
military engineering 623.75
prisons 365.57
public medicine 614
school buildings 371.626
hygiene 371.711
urban engineering 628.4
veterinary medicine 619
pub. health 614.9

Sanitation (cont.)
women's employment 331.45
working conditions 331.827
zootechny **636.0894**
Sanjo Jap. history 952.016265
Sankaran history 966.55
Sankuru River " 967.52
Sannazaro, Jacopo
Italian poetry 851.26
Sanpadranno (Vochysiaceae)
botany 583.145
Sansevieria (Liliaceae)
fiber crops 633.574
Sanshu (Mikawa) history 952.1681
(Sanuki) " 952.36
Sanskrit archi. styles **722.415**
dialects 491.27
language **491.2**
Sanson's images physiol. 612.8434
psychol. 152.134
Santa
Barbara co., Calif.
history 979.491
Catalina island, Calif.
history 979.493
Clara co., Calif. hist. **979.473**
Cruz Bay " 968.82
co., Calif. " 979.471
island, " " 979.491
Morocco " 964.6
Fé, NM " 978.9
Rosa co., Fla " 975.9985
island, Calif. " 979.491
Santalaceae botany 583.943
Santalales " **583.94**
Santalineae " **583.942**
Santee Indian reservation
Nebraska history 978.259
Santiago de
Chile history 983
Cuba, siege, 1898
US history 973.893
Soc. of the army of
US organization 369.182
Santiam River, Ore hist. 979.535
Santillana, I L de Mendoza de
Spanish poetry 861.23
Santo Domingo, *see* Dominican Republic, San Domingo
Santob, rabbi Sp. poet. 861.16
Santorinian
cartilage anatomy 611.221
duct " 611.375
muscle " 611.7326
Sanuki history 952.36
Sanyodo " **952.19**
São Thomé " 966.994
Saône-et-Loire " 944.43
Saorstât Eireann, 1922–37
history 941.591
Sap
cellular veget: cytol. **581.874**
circulation botany **581.113**
collecting harvesting 631.5568
collectors agric. tools 631.3588
Saperda candida (Tetramera)
agricultural pests 632.768
Saphenous
nerve anatomy 611.83554
vein, long " 611.14733
short " 611.14738
Sapindaceae botany 583.282
Sapindales " **583.28**
Sapindineae " **583.281**
Sapo history 966.63
Sapodilla (Sapotaceae)
fruitculture 634.431
Saponifying ferments
botanic chemistry 581.193443
Saponin
and nutrition physiol. 612.396175
chemistry of blood 612.123
Sapota, cochil (Sapotaceae)
fruitculture 634.343
Sapotaceae botany 583.6811
Sapotaceous fruits agric. **634.43**
Sapotineae botany **583.681**
Sappers mil. science 358.2
Sappho Gk lyric poetry 884.2
Sapporo history 952.451
Saprolegniales botany 589.26
Saprophytes (Eumycetes)
botany **589.2**
Saprophytism botany 581.5334
Saps forest products **634.986**
military eng. 623.24
Sapulpa, Okla history 976.6841
Saracenic
arches archi. constr'n 721.414
pointed 721.422
architectural styles **723.3**
Saracens history **953**
Sarasoto co., Fla hist. 975.961
Saratoga
city, NY, battle
American revolution 973.3333
county, NY history 974.748
Sarber co., Ark " 976.737

Sarcasm school punishment 371.56
Sarcolemma histology 611.01862
Sarcoma pathology 616.992
Sarcophaguses
architecture 726.82
burial customs 393.1
sculpture 731.76
Sarcophytoideae (Balanophorineae) botany 583.947
Sarcoplasm histology 611.0186
Sardinia history 945.9
anc. 937.9
Sardinian
kingdom, 1720–1860 hist. 945.1
sheep (Bovidae)
dom. animals 636.35
Sardou, Victorien
French drama 842.86
Sargassaceae botany 589.452
Sargentadoxaceae " 583.1174
Sark island history 942.34
Sarmatia
Asiatica history, anc. 939.52
Europa " " 939.81
Sarnen goat (Bovidae)
domestic animals 636.3939
Sarpi, Paolo It. essays 854.51
Sarpy co., Neb history 978.2256
Sarraceniales botany 583.121
Sarsaparilla, wild (Araliaceae)
botany 583.491
Sarthe history 944.17
Sartorius anatomy 611.73821
Sash
bars window constr'n 721.848
doors archi. " 721.837
factories architecture 725.442
pockets archi. constr'n 721.862
weights & cords
window constr'n 721.891
windows archi. constr'n 721.846
Sashes window constr'n 721.848
Sashu history 952.1517
Saskatchewan history 971.24
Sassacus and Albemarle, ships
1864 US Civil war 973.754
Sassafras (Lauraceae)
field crops 633.824
Sassanian
architectural styles 722.52
dynasty
Persian hist., anc. 935.7
Sasshu history 952.295
Satan worship
comparative religion 291.216
Satanism doc. theology 235
sorcery 133.42
Sateen cotton mfg 677.2164
Satellite cities
civic planning 711.417
Satellites
action of astronomy 521.42
astronomy, theoretic 521.6
Satin silk industry 677.4164
Satinette textile mfg 077.02864
see also special fibers
Satinwood
(Meliaceae) botany 583.251
(Monimiaceae) " 583.1147
(Rutaceae) " 583.23
Satire, *see* Humor and satire
[2] in specific fields see subj. —0883
Satiric
drawings fine arts 741.5
poetry
literature, American 811.07
English 821.07
[3] other lang. —107
rhetoric 808.17
Satisfaction penance 265.63
Satsuma
orange (Rutaceae)
fruitculture 634.322
prefecture history 952.295
revolt Jap. " 952.0313
Saturation, super-
practical chemistry 542.62
Saturday schools educ. 371.24
Satureia (Lamiaceae)
garden crops 635.71
Saturn astronomy 523.46
line palmistry 133.6432
mount " 133.642
occult astrology 133.532
Rom. mythology 292
Satyre Ménippée Fr. wit 847.33
Saucer domes
arched construction 721.46
Saudi Arabia history 953
Sauk co., Wis history 977.576
Sault Ste Marie " 971.313
Saunders co., Neb " 978.2296
Saurauiaceae botany 583.1662
Saurians (Reptilia)
herpetology 598.1
Sauropterygia herpetol. 598.16
paleozool. 568.16

Saururaceae botany 583.9252
Sautering cookery 641.77
Sauterne grape vitic. 634.8544
Sauvignon grape
French viticulture 634.8544
German " 634.8543
Savage music 781.71
Savages anthropology 572.7
therap. of 615.89
Savagnin grape vitic. 634.8544
Savanna formations
vegetable ecology 581.526424
Savannah, Ga
campaign, 1864
US Civil war 973.7378
capture Amer. revol. 973.3347
history 975.8725
siege Amer. revol. 973.3357
Saving
wage economics 331.2154
wealth consumption 339.43
Savings
and loan ass'ns
fin. economics 332.32
ass'ns fin. economics 332.24
banks admin. regula. 351.825
architecture 725.24
fin. economics **332.2**
funds, manage. of 332.25
school educ. 371.673322
depts commer. banks 332.24
funds poor relief 362.53
instit., free fin. econ. 332.28
official 332.21
Savory (Lamiaceae)
garden crops 635.71
Savoy
declaration doc. theol. 238.58
duchy of It. history 945.1
history **944.48**
house of It. history 945.09
Saw mills manufactures 674
Sawamish co., Wash hist. 979.797
Sawatch Range, Colo " **978.84**
Sawdust steam boiler fuels 621.18222
Sawfly (Phytophaga)
agricultural pests 632.793
Sawing, metal, machinery 621.932
Sawmills architecture 725.441
Saws
and maxims folklore 398.9
machine tools **621.93**
pruning agriculture 631.3426
Sawtooth
Mts, Ida history **979.67**
national forest, Ida
description 917.9632
Ridge, Wash history 979.728
roofs archi. constr'n 721.587
Saw-wort (Carduaceae) bot. 583.5533
Sawyer co., Wis history 977.516
Saxe, J G American wit 817.35
Saxe-
Altenburg history 943.24
Coburg-Gotha
history 943.25
house of Eng. hist. 942.082
Meiningen history 943.26
Weimar-Eisenach " 943.23
Saxhorn brass instrument 788.42
Saxifragaceae botany 583.381
Saxifragineae " **583.38**
Saxo Grammaticus
Danish literature 839.81811
Saxon
[4] **old, language** **439.2701**
literature **839.2**
Romanesque architecture **723.4201**
see also Anglo-Saxon
Saxony
goat (Bovidae)
dom. animals 636.393
history 943.21
house of Ger. history 943.022–.023
Prussian history 943.18
Saxophone brass instr. 788.43
Saybrook platform
doctrinal theology 238.58
Savings
folklore 398.9
of Jesus pseudepigrapha 229.951
Scabs (Hyphomycetes) bot. 589.2411
labor economics 331.896
Scaffolds
geodetic triangulation 526.32
Scagliola archi. dec. 729.63
masonry 693.64
Scala media anatomy 611.8521
Scalds surgery 617.11
Scale
bulb-, cuttings
plant culture 631.5357
contract wages 331.22
Gunter's math. instr. 510.78
houses architecture 728.993

Scale (cont.)
insects (Coccidae)
agricultural pests 632.7523
agriculture 638 3
entomology 595.7523
mosses (Jungermanniales)
botany 588.31
of objects lands. art 712.26
prevention in steam
mech. engineering 621.1944
Scaleni anatomy 611.7339
Scales
anatomy 611.785
comparative 591.47
city civic arts 711.68
color optics 535.6
painting 752.3
mechanical drawing 744.3
metrology 389
music 781.22
office equipment 651.267
fittings 651.4654
piano exercises 786.33
practical chemistry 542.32
rating, for teachers 371.134
track railway equip. 625.18
Scaling botanic ontogeny 581.135352
Scallion (Liliaceae)
garden crops 635.263
Scallop
(Lamellibranchiata)
fishery 639.4
squash (Cucurbitaceae)
garden crops 635.621
Scalloped arches
architectural constr'n 721.427
Scalometers photography 771.37
Scalping war customs 399
Scandal ethics 177.2
game 793.76
news journalism 070.16
Scandaroon pigeons (Columbae) agriculture 636.59627
Scandinavia history 948
Scandinavian
[1] **church** 284 7
[4] **languages** 439.5
philosophers 198
biography 921.848
union fin. economics 332.43
Scandium chemistry 546.691
Scansores ornithology 598 7
Scapanioideae botany 588.311
Scapho-cuboid joints anat. 611.72856
Scaphoid, carpal " 611.71771
tarsal " 611.71876
Scaphopoda zoology 594.2
Scapula anatomy 611.7171
Scapular artery " 611.1348
Scapulimancy psychology 133.333
Scapuloclavicular joint
anatomy 611.72724
Scar leaf anatomy 581.49724
Scarabs carving 736 2
Scarecrows agric. prot'n 632 9
Scarf skin anatomy 611.771
Scarfs, head dom. econ. 646.55
Scarifier, garden farming 631.3153
horse " 631.3162
Scarlet
fever inoculation
public health 614.478917
pathology 616.917
public health 614.522
grain (Coccidae) agric. 638.34
strawberry (Rosaceae)
fruitculture 634.754
Scarpanto history 949.97
Scarron, Paul French wit 847.43
Scavenging of towns 628.4
Scenario writing rhetoric 808.2
see also Drama
Scene painting, theater
fine arts 751.75
Scenery cinematic studios 771.295
in art 704.943
natural fine arts 719
painting " " 758.1
theater 792
Scenic reservations
natural landscape 719 34
Scenography drawing 742
Scent glands physiology 612.493
lands. planting 715.1733
Scented herbs lands. art 716.1756
Scepticism, etc., *see*
Skepticism, etc.
Schappe fabric silk mfg 677.446
Scheduling shop manage. 658.513
Scheele, K W Swed. lit. 839 7849
Schefer, Leopold
German poetry 831.81
Scheffel, J V Ger. fict. 833.83
Schelling, F W G philos. 193 4
Schematic representation
art anatomy 743.3

Scheme arches
architectural constr'n 721.413
Schenectady co., NY hist. 974.744
Scherzo music form 781.50813
Schcuchzeriaceae botany 584.744
Schiavone grape vitic. 634.8545
Schiller, J C F Ger. drama 832.63
Schimmel, H J Dutch " 839.31253
Schism
ecclesiastic polity 262.8
great, 1054 ch. hist. 270.3
papal " " 270.5
Schismatics, Gallican
[1] **sectarian history** **284.82**
Schisms in Cath. ch., mod.
sectarian history **284.8**
Schistostegales botany 588.2143
Schists petrology 552.43
Schizaeaccae botany 587.3122
Schizandraceae " 583.1143
Schizogoniales " 589.47432
Schizolaenaceae " 583.168
Schizomycetes " **589.95**
Schizophrenia medicine **616.8982**
psychology **132.1982**
Schizophyceae botany **589.8**
Schizophyta " **589.7**
Schizopoda zoology 595.383
Schizosporaceae botany 589.225
Schleiermacher, F E D
philosophy 193.6
Schlemm, canal of anat. 611.8415
Schleswig horse (Equidae)
domestic animals 636.143
Schleswig-Holstein
history 943.51
swine (Suidae) dom. anim. 636.434
Schley co., Ga history 975.8495
Schneiderian membrane
anatomy 611.21
Schoepfioideae (Olacaceae)
botany 583.26
Schoharie co., NY hist. 947.745
Scholar as citizen
political science 323.65
Scholar's life
self-culture **374**
Scholarship funds
school tuition 371.222
Scholarships
labor economics 331.86
school incentive **371.53**
trav. lib. training 020.79
in other specific fields
[2] see subj. —079
Scholastic philosophers 189.4
biography 921.9
tests educ. 371.26
Scholasticism philosophy 149.2
School
accidents liability
education 371.7
administration
education **371.2**
teaching force 371.1472
training for **370.76**
age education 379.14
and juvenile courts
criminology 364.528
appointing power
teachers 371.143
attendance prolongation
public education 379.14
unemployment reduction 331.137
bands student life 371.89
boards, local educ. 379.1534
state " 379.152
bonds pub. education 379.13
finance 336.343
books, free
child welfare 362.764
public schools 379.153
breaking up educ. 371.23
budget pub. " 379.11
buildings
architecture **727**
city planning 711.666
community use of
adult education 374.28
education **371.62**
hygiene of 613.54
education 371.711
prisons 365.54
bus public schools 379.1752
calendar education **371.23**
celebrations " 371.365
city student gov't 371.595
closings student hyg. 371.712
colors " life 371.898
committee pub. educ. **379.153**
control, gov'tal " **379.15**
course, length of educ. 371.253
credit units " 371.26
day, length of " 371.24
desks fixed furniture 729.935
discipline education **371.5**
districts
administration **352**
Eng. local gov't 352.04206
libraries 027.4226
public education 379.1534

Topics in black face type are subdivided. Superior figures refer to the tables following this index

School (cont.)
dropping out students 371.2913
equipment education 371.6
finance admin. educ. 371.2
funds pub. " 379.11
furnishings " 371.63
furniture " 371.631
gardens elem. educ. 372.36
landscape art 712.627
government education 371.5
grading " 371.25
public 379.17
grounds education 371.61
landscape art 712.58
housekeeping dom. econ. 647.9
hygiene education 371.7
influence
crime prevention 364.44
jurisdiction education 371.54
[1] **laws** " 379.14
libraries " 371.64
lib. econ. 027.8
location, site, etc.
education 371.61
lunch rooms table syst. 642.58
maladjustments and crime
sociology 364.254
management, student
participation in 371.593
meals child welfare 362.761
education 371.716
museums 069.016
educ. equip. 371.65
school bldgs 371.622
nurse education 371.712
observance of special
days education 371.365
[1] **officers biography** 923.7
organization education 371.2
patronage child welfare 362.766
playgrounds lands. art 712.546
premises education 371.6
programs celebrations 371.365
progress
educ. measurements 371.26
promenades student hyg. 371.737
publicity education 371.2
quarters educ. calendar 371.23
records education 371.2
[1] **regula. public education** 379.14
rooms " 371.62
savings banks " 371.673322
fin. econ. 332.23
sermons homiletics 252.5

School (cont.)
service museum econ. 069.107
shortcomings curriculum 375.0072
songs music 784.62
statistics education 371.200031
subjects curriculum 375.01–.9
supervision, gov'tal. 379.15
supplies
free child welfare 362.764
public schools 379.153
surveys education 379.15
system, public educ. 379.1
taxes education 379.13
public finance 336.27937
terms in 2 or more places 371.234
texts English lang. 428
[3] other " —8
traveling libraries 027.8224
education 371.642
work public relief 362.76
Schoolcraft co., Mich hist. 977.4935
Schoolmasters, training for 370.76
Schools
academic 2dary educ. 373.241
and libraries lib. econ. 021.3
[1] **auxiliary educ., adult** 374.8
pub. 379.19
boarding architecture 727.2
educ. of women 376.63
2dary educ. 373.223
classical " " 373.242
commercial " " 373.2465
consolidated pub. educ. 379.175
[1] **continuation adult** " 374.8
pub. " 379.19
workmen's
economics 331.85
cost to public educ. 379.11
culinary dom. econ. 641.071
day 2dary education 373.222
demonstration
teachers' education 370.733
education 370
elementary
[1] **admission** 371.212
architecture 727.1
[1] **hist., reports, etc. of** 372.9
training for 370.73262
in specific fields
[2] see subj. —0713
see also Education, elem.; Grammar schools; Kindergartens; Schools, primary; etc.
experimental education 370.733

Schools (cont.)
finishing, for women 376.4
floating education 371.392
for teachers " **370.7**
graduate univ. & col. 378.1553
grammar, *see*
Grammar schools
high, *see* Highschools
higher, *see*
Universities and colleges
[1] **individual, univ. & col.** **378**
industrial economics 331.86
2dary educ. 373.246
[1] **useful arts** **607**
intermediate
[1] **admission** **371.212**
elem. educ. 372.242
public 379.172
[1] **2dary educ.** **373**
public 379.171
international educ. 371.391
kindergarten rela. to 372.23
military **355.07**
bldgs eng. 623.613
instruction in
education 371.43
2dary educ. 373.24355
minding child welfare 362.75
model teachers' educ. 370.733
monastic education **377.3**
muscum relations with 069.68
normal, *see*
Teachers colleges
of music fine arts **780.72**
outdoor education 371.718
parental criminology 364.722
parochial education 377.5
religion 257
[1] **part-time educ., adult** **374.8**
pub. 379.19
photographic fine arts 771.17
practise for teachers 370.733
preparatory
for women 376.63
[1] **2dary educ.** **373**
public 379.171
primary
[1] **admission** **371.211**
elem. educ. **372.241**
public 379.18
see also Education, elementary
prison sociology 365.662
private, pub. aid to education **379.1213**

Schools (cont.)
professional
[1] **admission** **371.215**
training for teaching in **370.73265**
public
and sectarian influence 377.1
[1] **education** **379**
see also Education, public
ragged education 377.7
pub. relief **362.76**
reform architecture 725.64
criminology 364.722
education 371.93
riding architecture 725.88
horsemanship 798.24
rural educ., public 379.173
scientific 2dary educ. 373.245
2dary, *see* Highschools
special, curriculums for 375.008
higher educ. **378.99**
summer education 371.232
Sunday, *see* Sunday schools
taxation of education **379.121**
technical
[1] **admission** **371.215**
2dary education 373.246
training for teaching in **370.73265**
[1] **theologic religion** **207**
trade 2dary education 373.246
traveling " 371.392
truant architecture 725.64
criminology 364.722
undergraduate
univ. & col. 378.1552
vocational 2dary educ. 373.246
in other specific fields
[2] see subj. —071
see also Education
Schopenhauer, Arthur
philosophy 193.7
Schottische dances 793.33
music form 781.508527
Schulze-Delitsch system
cooperative banks 334.22
Schuyler
county; Ill history 977.3475
Mo " 977.826
NY " 974.781
Fort Amer. revolution 973.3334
Schuylkill co., Pa hist. 974.817
Schwann's sheath histol. 611.018833
Schwarzburg history 943.27
Schwarzchild law phot. 771.5345
Schwarzthal goat (Bovidae)
domestic animals 636.3936

Schwarzwald
goat (Bovidae) dom. anim. 636.393
history 943.48
Sciadopityoidcae botany 585.211
Sciatic
artery anatomy 611.13765
nerve, great " 611.8358
small " 611.83573
Sciatica pathology 616.87
Science
and crime sociology 364.252
faith soteriology 234.23
photography f. arts 778.3
relig. apologetics 239.8
nat. theol. 215
applied 600
Bible 220.85
department journalism 070.4495
in curriculum
education 375.5
elementary 372.35
library 020
material museum econ. 069.45
military sociology 355
museums mus. econ. 069.0185
nature study 507.4
school bldgs 371.622
equip. 371.655
naval sociology 359
of education 370 1
political 320
pseudo recreation 793.8
sanitary engineering 628
social 300
statistical sociology 311
Sciences, natural & pure 500
Scientific
academies, societies, etc. 506
apparatus school equip. 371.66
buildings architecture 727
drawing fine arts 744
games recreation 793.8
holidays soc. customs 394.2645
instruments mfg 681 2
management business 658
in specific fields
[2] see subj. —00035
methods, in specific
[2] fields see subject —018
money fin. economics 332.56
socialism polit. econ. 335 4
terms, in specific
[2] fields see subject —0143
travels, surveys, etc. 508 3
aircraft service 629 13855
Scientists 506.9
apologetics against
doctrinal theology 239 8
biography 925
Scilloideae (Liliaceae) bot. 584.32
Scilly islands history 942.37
Scio history 949.93
Scion
grafting agriculture 631.5413
selection plant grafting 631.5411
Sciopticon optics 535.86
Scioto co., O history 977.187
Scissor-rafter roofs
architectural constr'n 721.597
Scitamineae botany 584.21
Sclera anatomy 611.8415
ophthalmology 617.71
physiology 612.8415
psychology 152.115
Scleranthcae botany 583.1545
Sclerenchyma
vegetable histology 581.82733
Sclerodermatineae botany 589.2219
Sclerophyl formations
vegetable ecology 581.5264264
Sclerospermae (Cactaceae)
botany 583.471
Scolymus hispanicus (Cichoriaceae) garden crops 635.167
Sconces architecture 729.98
dom. lighting 644.325
Scooping water
locomotive engineering 621.1363
Scooter
cultivator farming 631.3162
plow " 631.3127
Scope
[2] of subject, see subject —011
Score reading music 781.633
Scoria
enameled ceramics 738.46
petrology 552.21
Scorpio occult astrology 133.522
Scorpion-fly (Panorpidae)
entomology 595.744
Scorpionida zoology 595.46
Scorzonera hesparuca (Asteraceae) garden crops 635.166
Scotch
border
history 941.4
poetry English lit. 828.994941
carpet manufactures 677.643
covenant doc. theology 238.5

Scotch (cont.)
dialect Eng. language 427.9
grays (Gallinae) agric. 636.527
[4] **language** 491.63
philosophers 192
secession church 285.6
Scotland co., Mo hist. 977.831
NC " 975.6335
history 941
Scott
Dred, *see* Dred Scott
Walter Eng. fiction 823.73
poetry 821.74
Winfield, campaign, 1847
US history 973.6236
Scott co., Ark history 976.744
Ill " 977.3455
Ind " 977.218
Ia " **977.769**
Kan " 978.143
Ky " 976.9425
Minn " 977.654
Miss. " 976.2655
Mo " 977.897
Tenn " 976.871
Va " 975.573
Mt, Okla descr. 917.6648
Ore " 917.95915
Scotts Bluff co., Neb hist. 978.298
Scotus, John Duns philos. 189.4
Scouring textile process 677.02821
see also specific fibers
Scouring-rushes (Equisetaceae) botany 587.211
Scouting
for fisheries aircraft 629.138639
habit apiculture 638.12152
military maneuvers 355.53
science 355.413
Scouts military science 355.34
see also Boy rangers, Boy scouts, Campfire girls, Girl scouts
Scows shipbuilding 623.829
Scranton, Pa history 974.837
Scrapbooks
general polygraphy 082.2
literary methods 029.3
in specific fields
[2] see subj. —0822
pictorial, in specific
[2] fields see subject —084
Scrape cultivator farming 631.3164
Scrapers, garden farming 631.3153
pruning agric. 631.3427
Scraping agric. pruning 631.54215
Scratchers
(Rasores) ornithology **598.6**
silviculture 634.954
Screamer (Anseres)
ornithology 598.41
Screen
doors archi. constr'n 721.837
fastenings " " 721.88
planting landscape art 715.165
processes, half-tone
photography 777.3
unit processes
color photography 778.66
Screening ore dressing 622.74
Screens advertizing signs 659.136
agric. prot'n 632.9
archi. constr'n 721.875
art. furniture 749.35
dom. economy 645.3
ecclesiology 247.2
fixed furniture **729.96**
focusing phot. 771.37
food dom. econ. 648.7
light phot. 771.356
metal mfg 677.53
phot. lighting 771.22
projection
photography 778.24
cinematic 778.553
Screven co., Ga history 975.8695
Screw
Archimedean physics 532.8
brakes gun mounts 623.43562
cutting & threads
mech. engineering 621.882
gears mech. engineering 621.8333
jacks " " 621.869
joints plumbing 696.5
mechanics 531.87
pile foundations archi. 721.152
propellers mech. eng. 621.12
stokers
steam boiler furnace 621.18366
Screw-pine (Pandanaceae)
botany 584.611
Screws
endless mech. eng. 621.8333
mechanical fastenings 621.882
strength of eng. 620.11287
Scribe, A E Fr. drama 842.73
Scribes, tree silvic. 634.954
Scrip paper money 332.53

Script
geometric
material shorthand 653.125
phonetic shorthand, *see* Hybrid shorthand syst.
graphic material
shorthand 653.127
payment economics 331.23
phonetic shorthand syst. 653.77
shorthand, Eng. (Dewey) 653.42
syst. " 653.773
writing business meth. 652
Scriptoriums architecture 727.85
Scripture, Scriptural, *see* Bible, Biblical
Scriveboard shipbuilding 623.83
Scrofula pathology 616.996
Scroll sawing art. furn. 749.5
work wood carving 736.4
Scrolls line engraving 765.2
Scrophulariales botany 583.8
Scrotum anatomy 611.638
pathology 616.67
Scrutin
d'arrondissement
suffrage 324.221
de liste suffrage 324.222
Scudéry
Georges de Fr. fict. 843.44
Madeleine de " " 843.45
Scuffle harrow farming 631.3137
hoe " 631.3152
Scuffler farming 631.3162
Sculleries architecture 728.93
Sculling sport 797.122
Sculptors 730.69
biography 927.3
Sculptural water features landscape art 714.3
Sculpture 730
archeology 571.73
composite fine arts 731.27
ecclesiology 247.3
equipment fine arts 731.3
materials 731.2
photo- fine arts 777.7
restoration " " 731.48
roof construction 721.563
school decoration 371.637
specimens museum econ. 069.473
technic 731.4
Scurvy
grass (Brassicaceae)
garden crops 635.564
pathology 616.39
Scutage feudalism 321.3
Scutcheon polishing
domestic economy 648.55
Scutcheons
architectural constr'n 721.894
Scutchers textile equip. 677.02851
Scutching " process 677.02821
see also special fibers
Scutellarioideae (Labiatae)
botany 583.891
Scuttles roof constr'n 721.557
Scyphostegiaceae botany 583.9624
Scythes, bush- agric. 631.3117
harvesting " 631.3512-3
Scythia hist., ancient 939.51
Scythian languages 494
Scytonemaceae botany 589.83
Scytopetalineae " 583.193
Scytosiphonaceae " 589.457
Sea
and aqueous erosion geology 551.35
anemones (Anthozoa) zoology 593.6
baths, sanitariums
sociology 362.13
cow (Sirenia) mammalogy 599.55
cucumbers (Holothuroideae) zoology 593.96
ferns (Bryopsidaceae)
botany 589.4727
fishing agriculture 639.22
sports 799.16
food economics 338.372
fishery 639
fresh
state inspection 614.317
hygiene 613.29
grape
(Polygonaceae) fruitc. 634.664
(Tunicata) zoology 594.9
hare (Tectibranchia)
zoology 594.37
horse (Lophobranchii)
ichthyology 597.53
islands, SC history 975.7995
kale beets
(Chenopodiaceae)
garden greens 635.42
(Brassicaceae)
garden crops 635.33
lavender (Plumbaginaceae)
botany 583.671

Sea (cont.)
laws jurisprudence 347.7
lemon (Nudibranchia)
zoology 594.36
life geographic bot. 581.92
zool. 591.92
lilies (Crinoidea) zool. 593.91
lion (Otariidae)
mammalogy 599.746
mantle (Stomapoda)
zoology 595.382
mats (Chilostomata)
zoology 594.713
mosses (Ceramiales) bot. 589.412
peach, sea pear, or sea potato (Monascidiae) zool. 594.93
power military sci. 359
purslane (Aizoaceae)
botany 583.475
serpent occultism 133.15
slug (Nudibranchia)
zoology 594.36
snail (Prosobranchia)
agriculture 638.38
songs vocal music 784.4
sounding, *see* Soundings
specters occultism 133.15
squirt (Monascidiae)
zoology 594.93
urchins (Echinoidea)
fishery 639.6
walls hydraulic eng. 627.4
landscape art 717.84
see also Ocean
Seadromes aeronautics 629.136
Seal
eared (Otariidae)
mammalogy 599.746
earless (Phocidae)
mammalogy 599.748
fishing hunting bus. 639.1
presses office equip. 651.266
Seals carving 736.3
heraldry 929.8
nat'l polit. sci. 320.18
univ. & col. 378.27
Sealsfield, Charles, *pseud.*
German fiction 833.74
Seamanship business 656
Seamen biography 926.56
Seaplanes aviation 629.133347
Seaports commerce 387.1
Search, right of
law of war 341.3
Searchlight
airport equipment 629.1365
electric engineering 621.32582
military " 623.731
Searcy co., Ark history 976.7195
Seascapes fine arts 704.943
painting 758.2
Seashore
games, children's 796.12
gardens landscape art 712.6245
landscape art 714.22
parks landscape art 712.53
reservations
natural landscape 719.346
resorts hygiene 613.12
Seasickness pathology 616.33
physiology 612.8862
psychology 152.67362
Seaside cottages archi. 728.74
Seasonal
birth rate demography 312.1
effects
and plantations
landscape art 715.141
garden planning 712.6246
landscape art 712.26
employment labor econ. 331.137
habits of bees apic. 638.12154
migration polit. sci. 325.12
variation viticulture 634.8362
Seasoning
butter industry 637.2335
herbs garden crops 635.7
plants agriculture 633.8
products chem. tech. 664.4–.5
Seasonings adulterations 614.314
Seasons
and clothing dom. econ. 646.09
cookery " " 641.59
crime sociology 364.22
habits of plants
botany 581.543
apiculture 638.1416
flowering floriculture 635.953
grafting agriculture 631.5412
hygiene 613.13
occupational 613.64
on planets astronomy 525.54
religious cookery 641.566
secular changes of
astronomy 525.53
see also Climate
Seat
springs mot. veh. body 629.2652
work kindergarten meth. 372.213

Seating
capacity architecture 729.21
students' discipline 371.5
Seats
aircraft construction 629.13434
fixed furniture 729.93
landscape art 717.9
motor vehicle body 629.2638
springs 629.24333
park city planning 711.68
portable manufactures 685.535
Seattle, Wash history 979.7771
Seaweeds (Algae) botany 589.3
fertilizers 631.873
Sebaceous glands anatomy 611.773
pathol. 616.53
secretion bot. 581.1413
zool. 591.141
Sebastian co., Ark hist. 976.736
Sebastopol
European war 940.4374
goose (Anseres) agric. 636.5987
history 947.7
Sebele's country hist. 968.16
Sebright game bantams
(Gallinae) agriculture 636.58813
Sebungwe history 968.929
Secale
cereale (Hordeae)
field crops 633.14
cornutum, *see* Ergot
Secession
1860–61 US Civ. war 973.713
church of Scotland 285.6
constitutional law 342
see also Nullification, States' rights
war of, *see* Civil war, US
Secessionism
painting schools 759.914
Secessionists in North
US Civil war 973.718
Second
[1] **adventists sect. hist. 286.7**
class cars, passenger rates
railways 385.132255
empire French hist. 944.07
sight divination 133.322
war with Gt. Brit., Soc. of
the, in the state of NY 369.144
Secondary period geology 551.76
self hypnotism 134.0161
Secondthoughts, Solomon
pseud. Amer. fiction 813.32
Secrecy system radio 621.3841548
Secret
doors archi. constr'n 721.835
service
diplomatic 327
military science 355.34
state police 351.74
Secret soc. bldgs archi. 728.46
sociology 366
student life 371.85
writing bus. meth. 652
Secretaries
legislative bodies 328.3623
see also Stenographers
Secretary grape vitic. 634.84909
Secretin physiology 612.33284
Secretion
and osmotic pressure
mesology 612.0144623
biology 574.14
physiologic botany 581.14
zoology 591.14
Secretions
digestive, and intestinal
juice physiology 612.3328
lactic physiology 612.6643
of kidneys, internal
physiology 612.4621
physiology 612.4
protective anim. ecol. 591.57
veget. " 581.5734
urinary physiology 612.463
Secretory
cells veget. morphol. 581.446
organs
biology comp. anat. 574.44
botany " " 581.44
organography, biologic 574.74
botanic 581.74
zoologic 591.74
plants veget. histol. 581.844
zoology comp. anat. 591.44
tissues veget. histol. 581.824
Sectanus, Q, *pseud.*
Italian wit 857.57
Sectarian schools
education 377
public aid to educ. 379.1214
Sectarianism and politics
religion 280
Section heads office econ. 651.373
Sections archi. design 729.18
office econ. 651.32
Sects, Christian 280
Secular
education 377

Secular (cont.)
trends vs business cycles
production 338.53
Securities
counterfeiting 332.94
customers' banking 332.14
engraving 768.8
Exchange Commission
financial economics 332.606173
exchanges fin. econ. 332.61
gov't income taxation 336.244
tax exemption 336.294
municipal pub. admin. 352.1
sale of bus. finance 658.144
transferable
financial economics 332.63
insur. of business 368.81
registration & issue 332.66
stock exchange listing 332.63
see also Bonds, Stocks
Security
credit fin. econ. 332.745
operations, int'l 332.65
Sedaine, M J Fr. drama 842.57
Sedalia, Mo history 977.8481
Sedan European war 940.4366
Sedentary life hygiene 613.65
Sedges (Cyperaceae)
fiber crops 633.585
textile industry 677.544
Sedgwick co., Colo hist. 978.876
Kan " **978.186**
Sedimentary rocks
petrology **552.5**
Sedition
act, 1798 US history 973.44
criminal law 343
Seditious influence
and journalism 070.13
See, Holy, *see* Holy See
Seebeck color process
photography 778.63
Seed
catalogs agriculture 631.5212
cleaning forestation 634.95624
collecting " 634.95623
ferns (Pteridospermae)
botany **585.95**
forms, carved archi. 729.51
painted " 729.41
lac agriculture 638.3264
plants
botany **582**
covered botany **583–584**
naked or 1st " **585**
Seed (cont.)
production floric. 635.9699
forestation 634.95622
source " 634.95622
storing " 634.95626
tree method
forest cutting 634.9523
Seedage
plant propagation **631.531**
Seeders farming **631.3311**
Seeding
direct forestation **634.9563**
machinery farming **631.331**
plow " 631.3127
Seedless plants (Cryptogamia) botany **586**
Seedling plant culture 631.5471
veget. embryol. 581.334
Seeds
art anatomy 743.75
edible garden crops **635.6**
flavoring " " 635.75
floriculture **635.942**
forest products 634.987
forestation **634.9562**
selection of agric. 631.5211
treatment of
forestation 634.95627
vegetable embryology 581.327
morphology **581.467**
Seers divination **133.3**
Seesaws recreation 791.7
Segment shell ordnance 623.4515
Segmental
arches archi. constr'n 721.413
pointed 721.422
domes arched constr'n 721.46
Segmentation
embryology **611.01331**
vegetable cytology **581.87624**
Segregation
classifying for
prison admin. 365.642
crime prevention 364.42
geologic agents 551.98
of convicts sociol. **365.4**
racial city planning 711.588
in schools **371.97**
polit. science 323.41
vs coeducation 376.7
Segu history 966.23
Segura de Astorga, J L
Spanish poetry 861.14
Se Hano, Quento, *pseud.*
Italian wit 857.57

Seigniorage fin. econ. 332.46
Seigniories, abolition of
Quebec history 971.4
Seigniory land economics 333.32
Seimu, 131–192 Jap. hist. 952.0126
Seine dept, Fr. history 944.36
Inférieure " 944.25
Seine-et-Marne " 944.37
Seine-et-Oise " 944.36
Seinei Jap. history 952.01335
Seining fishing sport 799.13
Seishu history 952.1823
Seismology 551.2
and plant succession
botany 581.524322
Seismonastic movements
botany 581.18333
Seiwa Jap. history 952.01621
Sekishu history 952.1966
Selachii ichthyology 597.31
Selaginaceae botany 583.876
Selaginellales " 587.912
Selection
agriculture 631.521
and variation botany 581.1514
artificial biology 575.424
botany 581.15143
meth. forest cutting 634.9524
natural biology 575.423
botany 581.15142
of animals zootechny 636.0811
books, etc.
lib. accession 025.21
mss publishing 655.51
workmen
labor demand 331.115
psychology 153.3
sexual biology 575.5
botany 581.15145
Selections English lang. 428.7
[3] other " —87
Selective syst. telephony 621.38524
Selectivity
radio receivers 621.38413614
Selenastraceae botany 589.47522
Selenids mineralogy 549.3
Selenium
cells electric eng. 621.353
electricity 537.53
theory optics 535.2
chemistry 546.23
Selenobunodontia
mammalogy 599 733
paleozoology 569 733
Selenodontia mammalogy 599.735
Self
doctrinal theology 233.6
metaphysics 126
psychol. of personality 153.72
subliminal spiritism 133.90161
theories of hypnotism 134.0161
Self-
binders agriculture 631.3541
cognition psychology 156.222
consciousness
psychol. of personality 153.72
control psychol. of will 159.24
culture adult educ. 374
bldgs archi. 727.97
defense art athletics 796.8
direction
psychology of will 159.24
discipline, mental
psychology of will 159.24
fertilization
and heredity biology 575.133
botany 581.16624
government
political science 321.8
prison admin. 365.646
student school admin. 371.592
hypnotism psychology 134.6
indexing system
office filing 651.5332
induction antennas 621.38413514
observation psychology 150.182
preservation
animal ecology 591.57
vegetable " 581.57
propelled
mach. combustion eng. 621.4383
vehicles " " 621.4384
recognition
psychology of memory 154.3446
support, student
education 371.226
univ. & col. 378.365
timers phot. shutters 771.36
Selfishness ethics 179.8
Seligeraceae botany 588.21473
Selkirk history 941.465
Sella printing photography 773.15
Selling
agencies cartels 338.83
business methods 658.8
cooperative economics 334.65
short stock &
commodity exchanges 332.64
votes electoral frauds 324.271
suffrage limit. 324.174
Selukwe history 968.9275

Selway nat'l forest, Ida
description 917.9682
Sem Tob, rabbi Sp. poet 861.16
Semantic emblems philol. 419.2
signs " 419.1
Semantics " **412**
Sematology " 419.1
Sematophyllaceae botany 588.21511
Semen physiology **612.616**
Semesters
school calendar **371.23**
credit units 371.26
Semi-
arches archi. constr'n 721.426
automatic system
telephony 621.38572
circular
arches archi. 712.412
canals, osseous anat. 611.853
ducts, membranous
anatomy 611.8526
physiology 612.8583
psychology 152.283
detached buildings
city planning 711.62
city houses
architecture **728.34–.36**
diameter of celestial bodies astron. corrections 522.93
geom. phonetic shorthand, *see* Hybrid shorthand syst.
idealistic philosophers 182.2
lunar
cartilage anatomy 611.72833
ganglions
celiac anat. 611.8393
cranial " 611.8915
membranosus anatomy 611.73829
[1] **private libraries** **027.2**
script phonetic shorthand *see* Hybrid shorthand syst.
spinalis muscle anatomy 611.73161
tendinosus " 611.73828
vaults arched constr'n 721.455
Semillon grape Fr. vitic. 634.8544
Ger. " 634.8543
Seminal vesicles anatomy 611.636
physiol. 612.617
Seminar educ. methods 371.37
libraries educ. 371.647
Seminaries
architecture 727.2
Seminaries (cont.)
[1] **2dary education** **373**
in other specific
[2] fields see subj. —071
theologic architecture 727.42
education 378.992
[1] **religion** **207**
Seminiferous
ducts physiology 612.617
tubules anatomy 611.6311
Seminole
county, Fla history 975.923
Ga " 975.8996
Okla " 976.671
war, 1st, 1818 US hist. 973.541
2d, 1835–42 " " 973.571
Semitic languages **492**
race ethnology 572.892
lib. for 027.63292
psychol. of 136.4892
texts Bible 220.46
Semonides of Amorgos (Samos) Greek wit 887.2
Sénancour, E P de
French essays 844.64
Senasqua grape vitic. 634.84709
Senate
US legislation 328.73
univ. & col. admin. 378.113
Senators
election amendment, 1913
US constit. law 342.73
history 973.913
legislative bodies 328.335
Sending apparatus
radio **621.384131**
telegraphy 621.3831
Senebiera coronopus (Brassicaceae) garden crops 635.565
Seneca, L A Lat. drama 872.6
lit. 878.5
philosophy 188.6
Seneca co., NY history 974.769
O " 977.124
Senecionidaceae botany 583.5536
Senegambia & Senegal hist. **966.3**
Senekal history 968.56
Senescence
botanic ontogeny **581.13535**
diseases of pathology 618.97
physiology 612.67
psychology 136.53
see also Old age

Senile dementia medicine 616.8983
psychol. 132.1983
Senior
colleges education 378.1542
highschools
2dary education 373.238
public 379.171
Senkwa Jap. history 952.01357
Senna (Cassiaceae) bot. 583.323
Sennaar history 962.9
Sennar swine (Suidae)
domestic animals 636.486
Sensation
and perception psychol. 152.012
beginnings of biology 576.4
physiologic botany 581.18
zoology 591.18
physiology of brain 612.8218
units psychophysics 152.82532
Sensationalism journalism 070.16
philosophy 145
Sensations
exteriorization of
spiritism 133.90162
psychology 152
unconscious psychophysics 152.8201
Sense
common psychology 156.223
cooperation and visual
perception physiol. 612.84372348
psychol. 152.1372348
distances method, equal
psychophysics 152.82323
intuition psychology 156.3
moral ethics 171.2
organs
anatomy 611.88
stimulators of
psychometry 152.8324
perceptions
and images psychol. 155.24
elem. education 372.3
presentation psychol. 152.722
Senses
chemic physiology 612.86–.87
psychology 152.3–.4
internal psychology 156.222
organic, and emotions
psychology 157.016633
psychology 152
Senshu history 952.1884
Sensibility
and movement physiol. 612.8114
cutaneous " 612.794
Sensibility (cont.)
emotional, properties of
psychology 157.5
physiology of brain 612.82133
recurrent physiology 612.812
Sensimaginal qualities
psychology 155.23
Sensitive
and suprasensible life
psychology 130
dyes processes phot. 773.7
emulsions, *see*
Emulsions, sensitive
materials holders phot. 771.32–.33
phot. chem. 771.53
restoration 770.287
papers, *see*
Papers, sensitive
plant (Mimosaceae) bot. 583.321
Sensitivity
measurements
psychophysics 152.825
photographic chemistry 771.534
radio receivers 621.38413612
Sensitizers
bichromate phot. chem. 771.548
chemic photography 771.5341
Sensitizing
plates photometalography 776.3
stones photolithography 775.3
supports photomech. 774.3
Sensitometry phot. chem. 771.5345
Sensory
action and trigeminal nerve
physiology 612.81952
adaptations and fatigue
psychology of work 158.744
amnesia psychology 132.8426
and motor nerves, distinction between physiol. 612.811
apparatus anatomy 611.8
automatisms divination 133.322
spiritism 133.93
capacity tests psychol. 151.2232
delusions
physiology of brain 612.82189
deprivation mental
deficiency psychology 132.2447
functions of convolutions
physiology 612.8255
psychophysiology 131.2255
impulse transformation
psychometry 152.8354

Sensory (cont.)
influences diff. psychol. 136.22
nerve
centripetal conduction
psychometry 152.83532
excitation psychometry 152.8352
reaction time " 152.834322
terminations
physiology 612.8151
psychophysiology 131.2151
training elem. educ. 372.3
Sentence
commutation criminol. 364.65
indeterminate " 364.62
suspended " 364.63
Sentences English syntax 425.3–.4
[3] other lang. —53–54
Sentience ethics 171.2
Sentimental vocal music 784.3
Sentiments
phrenology 139.223
psychology of emotions 157.12
Sentinel Peak, Ore descr. 917.9573
Seoul, Korea history 951.95
Sepals floral anatomy 581.463242
Separating cream
butter industry 637.2331
Separation
abnormal
vegetable teratology 581.222
mechanical prac. chem. 542.22
of honey apiculture 638.1634
sexes vs coeducation 376.7
statis. demography 312.5
Separators apiculture 638.1633
butter indus. 637.2321
milk " 637.132
steam eng. 621.1974
Sepia color painting 751.234
printing phot. 772.16
work painting 751.42
Sepiatypes photography 772.32
Seppuku social customs 394.8
Septic diseases pathol. 616.94
Septicemia obstetrics 618.74
pathology 616.944
Septuagint Bible 221.48
Septum pellucidum anat. 611.8139
Sepulchers altar archi. 729.912
architecture 726.82
cemeteries 718.66
Sepulchral architecture 726.8
Sepulture burial customs 393.1
public health 614.61
Sequatchie co., Tenn hist. 976.877
Sequence drawing compos. 741.433
landscape art 712.25
sacred music 783.23
Sequoia (Taxodiaceae)
forestry 634.9758
Sequoyah co., Okla hist. 976.681
Serafi, Pere Catalan poet. 849.9135
Seral communities
vegetable ecology 581.5553
Serao, Matilde It. fict. 853.88
Serapis, ship Amer. revol. 973.355
Serbia
campaign, 1914 Eur. w. 940.4227
1915 " " 940.4256
1916 " " 940.4282
1917 " " 940.4328
1918 " " 940.4376
history 949.7
Serbian
[4] **language** 491.82
swine (Suidae)
domestic animals 636.472
[4] **Serbo-Croatian language** 491.82
Sercial grape vitic. 634.85469
Sercq island history 942.34
Serenje " 968.967
Serenli " 967.68
Sereth River
European war, 1915 940.4253
1917 940.4327
Serfdom
abolished Rus. hist. 947.08
orig. of " " 947.04
slavery 326.3
Serfs polit. economy 331.56
social classes 323.34
Sergardi, Ludovico
Italian wit 857.57
Serge textile mfg 677.02864
see also special fibers
Sergeants-at-arms
legislative bodies 328.3624
Serials
and documents
library acquisition 025.293
administration 025.173
preservation 025.8
[2] in specific fields see subj. —05
Serica history 931
Sericeous secretion bot. 581.142
zool. 591.142
Sericulture agriculture 638.2
Seriema (Alectorides)
ornithology 598.32

Series
algebra 512.4
calculus 517.21
motors electric eng. 621.31365
sets, etc. **polygraphy** 080
in specific fields
[2] see subj. —0821
system arc lighting 621.3252
telephony 621.38522
trigonometric 514.2
Serinus Canarius (Acromyodi) aviculture 636.686
Sermons
homiletics 252
of Cath. church 252.02
Prot. Epis. " 252.03
Wesleyan Methodists 252.071
etc.
public worship 264.6
Serotherapy
for venoms physiology 612.3145
medicine 615.37
Serous
fluids physiology
of nutrition 612.39812
membranes
absorption by physiol. 612.387
histology 611.01874
Serpent
brass instrument 788.48
charming animal ecol. 591.57
Serpentine
geology, economic 553.55
layering plant culture 631.5342
petrology 552.47
Serpentroot (Asteraceae)
garden crops 635.166
Serpents (Ophidia)
herpetology 598.12
Serrati posteriores anat. 611.7312
Serratus anterior " 611.7355
Serum
process photography 772.12
staining substances
chemistry of blood 612.1251
Servants
and master ethics 173.8
priv. law 347.6
domestic economy 647.2
of divinities
comp. religion 291.215
quarters
architecture 728.92
furnishing dom. econ. 645.69
suffrage limitations 324.178
Servetus philosophy 189.5
Service
and organiza., interior
viewpoint, in specific
[2] fields see subject —006
apparatus
electric lighting 621.328
books
Catholic 264.02
hist. of 264.029
Greek 264.019
hist. of 264.0199
Prot. Epis. 264.03
hist. of 264.039
etc.
buildings and
areas priv. estates 712.64147
structures lands. art 717.64
equip. indus. manage. 658.28
gardens landscape art 712.63
military 355.11
recruitment 355.22
periods military life 355.111
professional
building industry 692.8
records labor econ. 331.123
secret, *see* Secret service
social welfare 360
space indus. archi. 658.237
stations architecture 725.382
city plan. 711.669
mot. veh. 629.286
theory polit. economy 330.162
Serviceability and use
viewpoint, in specific
[2] fields see subject —004
Serviceberry (Rosaceae)
fruitculture 634.741
Services
military 355
religious
Catholic ritual 264.025
Greek " 264.0195
Prot. Epis. " 264.035
etc.
Serving
at table dom. economy 642.6
room " " 643.45
Servitude
penal prison systems 365.22
slavery 326
Sesame (Pedaliaceae) bot. 583.85
Sesamoid, manual anatomy 611.71799
pedal " 611.71899
Sesbania macrocarpa (Fabaceae) field crops 633.566

Sesshu history 952.1887
Session laws
English jurisprudence 346.1
US " 345.1
Sessional procedure legis. 328.357–.358
Sessions
legislature 328.35
school day 371.24
univ. & col. calendar 378.14
Sestini, Bartolommeo
Italian poetry 851.68
Setaria italica (Andropogoniae) field crops 633.171
Setbacks city buildings 711.725
Seto-nai-kai history 952.199
Setons therapeutics 615.812
Sets
cinematic studios 771.295
dramatic staging 792
of tubers plant culture 631.5322
series, etc. polygraphy 080
[2] in specific fields see subj. —0821
Settees art. furniture 749.32
dom. economy 645.42
office equip. 651.231
Setters (Canidae)
hunting sports 799.23
Setting
of bldgs archi. plans 729.21
optic instr. mech. trade 681.44
table dom. economy 642.6
Setting-up exercises 796.41
Settlement
colonial polit. sci. 325.315
commercial " " 325.312
Settlements, social
labor economics 331.85
Settsu history 952.1887
Sevastopol, *see* Sebastopol
Seven
champions folklore 398.22
day books library econ. 024.62
days battles, 1862
US Civil war 973.7327
Devils Mts, Ida history 979.626
Isles of Izu " 952.1357
Pines, Va, battle, 1862
US Civil war 973.7327
sages folklore 398.2
sleepers " 398.22
weeks war
Austrian history 943.6
German " 943.081
Seven (cont.)
wonders of world
ancient architecture 722
medieval " 723
years war Eur. history 940.22
Ger. " 943.056
US " 973.26
see also French and Indian war
Seventh day
[1] **Adventists sect. hist.** 286.7
[1] **Baptists** " " 286.3
Sabbath 263.2
Seven-up card games 795.41
Severance
cuttings silviculture 634.9536
taxes public finance 336.2713
Sevier co., Ark history 976.747
Tenn " 976.889
Seville history 946.8
Sèvres china ceramics 738.27
history 944.36
Sewage
discharge into sea
sanitary engineering 628.39
disposal of san. eng. 628.3
farming " " 628.37
farms, drainage of
sanitary engineering 628.367
fertilizers 631.8425
manure sanitary eng. 628.38
Seward co., Kan history 978.1735
Neb " 978.2324
Sewer appurtenances
sanitary engineering 628.25
Sewerage
local government 352.6
sanitary engineering 628.2
systems city plan. 711.82
works architecture 725.194
city planning 711.661
Sewer-gas sanitary eng. 628.23
Sewers
and pollution
public health 614.765
design of san. eng. 628.24
intercepting " " 628.27
road engineering 625.78
shape & size of 628.22
systems of san. eng. 628.21
Sewing
domestic economy 646.2
elementary education 372.54
fancywork 746.42
mach. clothing indus. 687.1

Sewing (cont.)
thread manufactures 677.02862
see also special fibers
trades 687.1
Sex and celibacy demog. 312.5
crime sociology 364.242
medicines therap. 615.55
reproduction
physiology 612.6
appeal advertizing 659.10115
cells, formation of
veget. reproduction 581.1661
control zootechny 636.082452
customs sociology 392
determination biol. 577.88
physiol. 612.606
factors effecting
biology 577.84
in education 376
nature biology 577.8
instincts psychonal. 131.34122
inversion biology 577.84
morphologic phenomena
of biology 577.86
mortality demography 312.2
pub. health 614.141
nature of biology 577.81
origin of " 575.9
physiol. phenomena of
biology 577.85
psychology 136.1
relations
customs & manners 392.6
statistics demography 312.9
Sexes
differentiation of bot. 581.36
zool. 591.36
of bees apiculture 638.12155
proportion of
in herd zootechny 636.0823
physiology 612.606
separation of
education 376.7
working conditions 331.827
variety of biology 577.82
Sextant
aircraft equipment 629.13513
and time finding
chronology 529.74
astronomic instrument 522.41
Sexton-beetle
(Clavicornia) entomol. 595.763
Sexual
anomalies psychology 132.75
Sexual (cont.)
characters
heredity of biology 575.1263
2dary bot. variation 581.151313
dimorphism
animal variation 591.156
botanic " 581.156
ethics 176
excitement zootechny 636.082451
functions physiology 612.612
glands
female
injury of physiol. 612.6211
male
injury of " 612.6161
organs
anatomy 611.6
animal morphology 591.46
veget. " 581.46
perversions prison hygiene 365.664
reproduction biology 574.166
botany 581.166
physiol. 612.6042
zoology 591.166
selection biology 575.5
botany 581.15145
spores veget. embryol. 581.32543
union zootechny 636.082453
view psychoanalysis 131.3462
Sexuality plant breeding 631.523
Seychelles history 969.6
Seyidie province " 967.66
Sgraffito, *see* Graffito
Shackles
motor vehicle springs 629.24334
Shadblow (Rosaceae) fruitc. 634.741
Shadbush " " 634.741
Shaddock (Rutaceae) " 634.323
Shade
and light
see Light and shade
plants floriculture 635.9544
landscape art 715.1753
trees floriculture 635.9778
forest planting 634.956588
forestry 634.92364
landscape art 715.2753
Shades
darkroom photography 771.24
interior decoration 747.5
occultism 133.1
rush manufactures 677.544
straw " 677.541

Shades (cont.)
window domestic econ. 645.3
office " 651.243
Shad-fly (Ephemeridae)
entomology 595.734
Shading forest nurseries 634.95644
shorthand 653.123
Shadow play recreation 791.5
Shadows
and shades geom., descr. 515.7
visual perception
physiology 612.84372346
psychology 152.1372346
drawing 741.45
geometric perspective 515.63
Shaft brakes mech. eng. 621.826
sinking mining 622.25
Shafting mechanical eng. 621.823
Shafts
chimney architecture 729.358
columnar construction 721.38
mot. veh. driving axles 629.2455
Shaftsbury, A A C
English essays 824.51
Shagbark hickory
(Juglandaceae) nucic. 634.522–.523
Shake lumber
forest products 634.9845
[1] **Shakers sectarian hist. 289.8**
Shakespeare, William
English drama 822.33
Shakespearean gardens
landscape art 712.626
Shale petrology 552.52
Shallot (Liliaceae)
garden crops 635.263
Shallu (Andropogoneae)
field crops 633.176
Sham doors
architectural constr'n 721.835
Shamo desert
Mongolia history 951.739
Shan states " 959.2
Shang dynasty
Chinese " 931.03
River " 968.652
Shanghai, China " 951.132
fowls (Gallinae)
agriculture 636.5851
invasion, 1932
Chinese hist. 951.0425
Shannon
and Chesapeake, ships
War of 1812 973.5253
county, Mo history 977.887
Shansi, China " 951.17
Shanteys vocal music 784.4
Shantung, China history 951.14
Shaohsing " " 951.242
Shape
drawing composition 741.434
tests eng. materials 620.1128
Shapers machine tools 621.912
Shaping agric. pruning 631.5423
tools mech. eng. 621.98
Share system
farm rent 631.114
working 631.1153
of working apiculture 638.11115
Shares
payment by economics 331.23
see also Bonds, Stocks
Sharing profit wages 331.24
Sharkey co., Miss. hist. 976.2414
Sharki archi. styles 723.34
Sharks (Plagiostomi)
ichthyology 597.31
Sharp co., Ark history 976.723
Sharpey's fibers histol. 611.01844
Sharpsburg, Md, battle
1862 US Civil war 973.7336
Sharpshooters infantry 356.16
Sharqîya history 962.15
Shasi, China " 951.212
Shasta co., Calif. " 979.424
Shaving customs, toilet 391.5
toilet 646.7
Shavings fiber mfg 677.546
Shaw, H W American wit 817.46
Shawano co., Wis hist. 977.536
Shawcross
amphitype process phot. 775.6
Shawl goat (Bovidae)
domestic animals 636.39854
Shawls domestic economy 646.45
Shawnee, city, Okla hist. 976.6361
co., Kan " 978.163
Shay's rebellion, 1786–87
American revolution 973.318
Shearing
machinery mach. tools 621.96
test eng. materials 620.11245
Shears
hoisting mech. eng. 621.862
metal cutting
machine tools 621.932
office fittings 651.4651
pruning agriculture 631.3421
weeding " 631.3155
Sheath
of Schwann histology 611.018833
pile foundations archi. 721.171

Sheaths
film photography 771.33
of tendons anatomy 611.75
pathology 616.76
Sheaves
door & window constr'n 721.891
mechanical engineering 621.856
Shebele history 967.77
Sheboygan co., Wis " 977.569
Shed roofs
architectural constr'n 721.592
Shedding
vegetable generation 581.1656
Sheds airport equipment 629.1364
architecture 728.994
Sheep
and landscape design 713.6
(Bovidae) dom. anim. 636.3
diseases of vet. med. 619.3
vegetable (Inulaceae) bot. 583.5542
wool manufactures 677.31
Sheepfold
children's games 796.14
Sheepfolds architecture 728.943
landscape art 717.65
Sheer legs, *see* Shears
Sheet
metal work manufactures 671
pile foundations archi. 721.171
Sheetings manufactures 677.02864
see also special fibers
Sheets
loose office records 651.5135
perforated metal mfg 677.53
Sheffield
city, Eng. history 942.74
plate silversmithing 739.237
Shefford co., Que hist. 971.463
Shelburne co., NS " 971.625
Shelby co., Ala " 976.179
Ill " 977.3798
Ind " 977.259
Ia " 977.748
Ky " 976.9435
Mo " 977.832
O " 977.145
Tenn " 976.819
Sheldrake (Anseres)
ornithology 598.41
Shelf
dept library admin. 025.8
list
library administration 025.8
classification 025.4
vs accession book
library economy 025.241
Shell
arts & crafts 745.55
banks archeology 571.93
carving sculpture 736.65
guns ordnance 623.4213
hearing divination 133.322
Keys bird reservation
Louisiana description 917.6349
locomotive boilers 621.1333
money numismatics 737.42
shock medicine 616.852
psychology 132.152
steam boilers 621.18452
surfaces painting 751.225
Shellac chemic technology 667.7
lac industry 638.3264
Shellbark hickory
(Juglandaceae) nucic. 634.522–.523
Shellers agric. tools 631.3614
Shelley, P B Eng. poet. 821.77
Shellfish (Mollusca, Crustaceae) fisheries 639.4
Shelling for market
agricultural crops 631.5614
Shells
as money 332.56
ordnance 623.45
paleolithic archeology 571.13
star ordnance 623.45446
winged (Pteropoda) zool. 594.4
Shelter
belt planting
forestation 634.956584
domestic economy 643
for plants
agricultural equip. 631.344
agriculture 631.544
Sheltering
laboring classes 331.833
of animals zootechny 636.0831–2
Shelters city planning 711.669
landscape art 717.682
temporary mfg 685.532
thatched " 677.541
Shelterwood method
forest cutting 634.9525
Shelton, F W Amer. wit 817.33
Shelves
and shelving lib. admin. 025.8
book, constr'n " econ. 022.45
fixed or movable
library stacks 022.444
for oversize books
library stacks 022.445
office equipment 651.22

Shelves (cont.)
public access to library 024.55–.57
roller library storage 022.46
room " **buildings** 022.42
sliding " storage 022.46
Shelving
and storage lib. bldg. 022.4
horizontal
library book cases 022.46
Shemitic languages 492
Shenandoah
county, Va history 975.595
ship US Civil war 973.757
valley, Va
campaign, 1864
US Civil war 973.7377
history 975.59
Shengking
Manchuria history 951.82
Shensi, China " 951.43
Shenstone, William
English poetry 821.58
Shenyang, Manchuria hist. 951.824
Sheol eschatology 236.4
Shepherdia argentea
(Elaeagnaceae) fruitcult. 634.742
Shepherds
adoration of Christol. 232.922
zootechny 636.0835
Shepherd-Sanger process
photography 778.66
Shepherdstown, WVa hist. 975.499
Sheraton furn. fine arts 749.223
Sherbet cookery 641.86
Sherbro island
northern history 966.42
southern " 966.48
Sherbrooke co., Que " 971.466
Sherburne co., Minn " 977.666
Sheridan, P H, ride, 1864
US Civil war 973.7377
R B B
Eng. drama 822.66
oratory 825.64
co., Kan hist. 978.1145
Neb " 978.292
Sheriffs jurisprudence 347.96
local government 352.2
Sherman
W T, march to the sea
1864 US Civil war 973.7378
county, Kan history 978.1115
Neb " 978.244
Ore " 979.564
Sherman (cont.)
notes financial econ. 332.53
silver act, 1890
US history 973.86
Shetland
islands history 941.11
pony (Equidae) dom. anim. 636.1621
sheep (Bovidae) " " 636.3258
Shiawassee co., Mich hist. 977.425
Shielding
radio measurements 621.38417125
Shields fine arts 739.75
heraldry 929.8
radio circuits 621.38413386
war customs 399
Shift mechanism mot. veh. 629.24447
Shifts of work economics 331.811
Shiga history 952.181
Shihkiachwang, China hist. 951.15
Shijo Japanese " 952.021225
Shikoku " 952.3
Shillaber, B P Amer. wit 817.34
Shiloh, Tenn, battle, 1862
US Civil war 973.7326
Shima history 952.1827
Shimabara " 952.221
Shimane " 952.196
Shimosa " 952.1323
Shimotsuke " 952.1381
Shinano " 952.163
Shinchiku " 952.99
Shinga's country " 967.32
Shingle
landscape art 714.26
lumber forest products 634.9845
mills architecture 725.441
Shingles pathology 616.52
Shinko Japanese history 952.02275
Shinleaf (Pyrolaceae) bot. 583.631
Shinney sports 796.355
Shinplasters fin. econ. 332.53
Shinshu history 952.163
Shintoism comp. relig. 299.56
Ship
antennas radio 621.3841359
canals
commerce 386.4
engineering 626.9
inland commerce 386.47
construction system
shipbuilding 623.84
equipment & outfit
shipbuilding 623.86
fever, *see* Typhus fever
housekeeping dom. econ. 647.9

Ship (cont.)
libraries for sailors 027.644
passengers 027.68
life hygienc 613.68
motors
combustion engines 621.4385-6
radio stations cng. 621.384165
railways " 625.9
Shipboard
cookery domestic ccon. 641.574
instruction education 371.392
Shipbuilding naval eng. 623.8
Shipment farm expenses 631.177
Shipping
business transport 656
centers city planning 711.453
zoning 711.553
commerce 387
dept engineering works 621.7966
facilities harbor eng. 627.3
industrial management 658.788
inland commerce 386.2
maritime law 347.7
motor vehicles 629.2348
room devices
office equipment 651.267
Ships
commerce 387.2
composite shipbuilding 623.84
inland navigation
commerce 386.22
military resources 355.27
naval " 359.27
public health 614.864
radio on engineering 621.3841913
transport of, by rail
vs canals commerce 386.4125
Shiptimber beetle
(Malacodermata) entomol. 595.766
Shipwrecked, rescue of
public health 614.868
Shipwrecks transport bus. 656
travel 910.4
Shipyards architecture 725.455
city planning 711.764
Shirakawa Japanese hist. 952.01632
Shire draft horse (Equidae)
domestic animals 636.1523
Lower history 968.9795
Upper " 968.976
West " 968.977
Shiribeshi " 952.42
Shishu " 952.1827
Shiva comparative relig. 294
Shizuoka history 952.166
Shoa " 963
Shoals, Isles of, NH " 974.26
Shoalwater Bay, Wash " 979.792
Shock
absorbers aircraft 629.1343846
equipment 629.1358
mot. veh. 629.24343
electric surgery 617.12
repeated, tests
engineering materials 620.1125
sensations physiology 612.885
psychology 152.673524
shell medicine 616.852
psychology 132.152
surgery 617.21
Shocker agriculture 631.3551
Shoddy wool industry 677.363
Shoe factories archi. 725.415
Shoeing blacksmithing 682.1
zootechny 636.0834
Shoelaces manufactures 677.75
Shoemaking trades 685.31
Shoes costume 391.4
domestic economy 646.46
electric traction 621.3347
manufactures 685.3
Shoestring arrangement
city planning 711.416
Shoguns Japanese history 952.02
Shoko " " 952.0232
Shomei " " 952.0138
Shomu
131-192 " " 952.0126
724-49 " " 952.0153
Shone syst. sewerage eng. 628.214
Shoot, primary botany 581.3345
Shooting ballistics 623.54
boxes archi. 728.75
galleries " 725.891
game sports 799.21
sports 799.3
Shoots veget. generation 581.1655
Shop
committees indus. rela. 331.152
fronts architecture 725.2135
maintenance bus. meth. 658.58
management " " 658.5
methods bus. manage. 658.561
organization " meth. 658.56
relations, internal econ. 331.15
Shopping arcades archi. 725.26
dist. city plan. 711.552

Shops
airport equipment 629.1364
architecture 725.213
engineering 621.7
machine architecture 725.433
railway " 725.33
engineering 625.18
situation of indus. san. 628.521
Shore
birds (Limicolae)
ornithology 598.33
cities civic arts 711.421
fishing sports 799.15
grape (Polygonaceae)
fruitculture 634.664
line landscape art 714.26
planting " " 715.144
protection " " 714.21
reservations nat. lands. 719.346
shooting bird hunting 799.243
structures lands. art 717.74
Shoreditch, London hist. 942.15
Shoring
archi. foundations 721.12
bridge engineering 624.152
Short
selling
stock and
commodity exchanges 332.64
story writing rhetoric 808.3
Shorter co., Neb hist. 978.282
Shorthand 653
in English 653.42
French 653.44
German 653.43
etc.
machines 653.3
manufactures 681.6133
nonlinguistic 653.19
nonphonetic 653.61
phonetic 653.7
alphabetic 653.67
partly 653.64
polylingual 653.41
syllabic 653.68
systems
classed by structure 653.5–.7
early 653.5
phonetic 653.71
of various languages 653.4
technic 653.1
theory 653.1
usefulness of 653.18
Shorthorns (Bovidae)
Dexter domestic animals 636.2256
domestic animals 636.2221
Shortsightedness
see Nearsightedness
Shoshone
county, Ida history 979.691
Falls, Ida description 917.9637
Shot putting sports 796.38
Shotguns target shooting 799.31
Shotoku, Empress
Japanese history 952.0156
Shots, projectile ordn. 623.451
Shoulder anatomy, regional 611.971
girdle anatomy 611.7171
joint " 611.72721
muscles " 611.7371
Shouldered arches
architectural constr'n 721.421
Shovel plow farming 631.3162
Shovelboard games 796.21
Shovels
crop cleaning tools 631.3621
farm tools 631.3111
horse- farm tools 631.3115
power mechanical eng. 621.865
steam- " " 621.154
Show cards advertizing 659.134
cases adver. display 659.157
Me state (Mo) hist. 977.8
windows architecture 725.2135
Showa period Jap. hist. 952.033
Shower baths hygiene 613.44
Shows
advertizing business 659.152
public ethics 175.1
soc. customs 394.2
recreation 791
traveling, cookery for 641.577
Shrapnel, early ordnance 623.45113
modern " 623.4514
Shreadhead roofs
architectural constr'n 721.584
Shreveport, La. history 976.3991
Shrew (Insectivora) mammal. 599.33
Shrimp (Branchiopoda;
Thoracostraca) fisheries 639.5
catching sports 799.15
Shriners, Mystic
secret societies 366.1
Shrines architecture 726.42
mortuary " 726.86
wayside " 726.95

Shrinkproofing
textile process 677.02824
see also special fibers
Shropshire
down sheep (Bovidae)
domestic animals 636.3236
history 942.45
Shrouds mot. veh. body 629.2632
Shrub
gardens landscape art 712.626
layering plant culture 631.5346
Shrubs
apiculture pasturage 638.134–.135
botany 582.17
floriculture 635.976
landscape art 715.3–.4
nectariferous apic. 638.1324
Shu kingdom, 221–265
Chinese history 931.074
Shuddering physiology 612.7464
Shuffleboard games 796.21
Shufu, China history 951.6
Shujaku Japanese " 952.016235
Shun-chih Chinese " 951.031
Shunted telephone method
radio measurements 621.384177
Shutter
fastenings
architectural constr'n 721.88
folding cameras phot. 771.314
Shutters
architectural constr'n 721.872
photography 771.36
cinematic 778.533
Shuttlecock sports 796.26
Shuvalov process phot. 773.122
Sialagogues physiology 612.3134
therapeutics 615.741
Sialidae entomology 595.743
Siam history 959.3
Lower " 959.5
Siamese
architectural styles 722.44
language 495.91
swine (Suidae) dom. anim 636.485
twins, *see* Fetuses, coalescent; Synophyty
Sian, China history 951.435
Siberia campaign Eur. w. 940.4385
history 957
Siberian featherfooted fowls
(Gallinae) agriculture 636.572
Sibley co., Minn hist. 977.633
Siblings
development of physiol. 612.65
psychol. of personality 137.31265
Sibyls psychology 133.3
Sicilies, The Two hist. 945.7–.8
Sicily history 945.8
ancient 937.8
Sick
care of domestic econ. 649.8
food for hygiene 613.23
hospitalization of 362.1
hospitals for archi. 725.51
leaves, *see* Vacations and leaves
ministry of sacraments 265.8
parish care of relig. 258
Sickle agriculture 631.3511
Sickness
incidence of
demography 312.3
public health 614.15
insurance, *see* Insurance against sickness
pensions economics 331.252
Sick-room domestic econ. 649.8
Side
arms ordnance 623.444
see also qualifying or specific terms
mosses (Pleurocarpi) bot. 588.215
saddle flower
(Sarraceniales) " 583.121
slip indicators aircraft 629.13513
Sideboards fixed furniture 729.94
Sidebotham process phot. 772.12
Sideburns toilet 391.5
Sidecars motor vehicles 629.2263
Sidehill plow farming 631.3124
Sidereal
clock astronomy 522.51
day chronology 529.1
month astronomy, lunar 523.33
chronology 529.2
Sidewalks
city planning 711.74
local government 352.7
moving mechanical eng. 621.8675
road engineering 625.88
Sidings railway eng. 625.16
Sidney, Philip Eng. poet. 821.32
Sidon history, ancient 939.44
Sidonian archi. styles 722.31
Sieben weisen meister
German poetry 831.34

Siege
artillery ballistics 623.552
ordnance 623.415
carriages " 623.4324
money numismatics 737.47
mounts ordnance 623.432
operations mil. eng. 623.2
state of polit. sci. 323.492
warfare military " 355.44
Siegfried line
military engineering 623.1943
national defense 355.450943
Sierra co., Calif. hist. 979.436
Leone " 966.4
Sieva bean (Fabaceae)
garden crops 635.653
Sieve
balanced divination 133.323
tissues veget. histol. 581.821
tubes " morphol. 581.4134
Sieves
crop cleaning tools 631.3621
practical chemistry 542.22
Sifters
crop cleaning tools 631.3623
Sifting crops agriculture 631.5623
practical chem. 542.22
Sighing physiology 612.219
Sight
anatomy 611.84
center anatomy 611.8144
physiology 612.84371
psychology 152.1371
diseases of ophthalmol. 617.7
effect of study on
school hygiene 371.72
optics 535.7
pathology physiology 612.845
psychology 152.15
physiology 612.84
of brain 612.82554
psychology 152.1
reading music educ. 780.77
second recreation 793.8
tests physiology 612.848
psychology 152.18
Sighting
apparatus
artillery instruments 623.4621
gun mounts 623.4354
attachments ordnance 623.425
ballistics 623.55
Sight-seeing
aircraft service 629.1387
areas regional plan. 711.32
Sight-seeing (cont.)
motor vehicles 629.2223
operation 629.2833
see also Description and travel
Sigillariaceae botany 587.9112
paleobot. 561.79112
Sigismund German history 943.027
Sigmoid artery anatomy 611.13652
flexure " 611.349
mesocolon " 611.383
Sign
language
educ. of deaf & mute 371.912
philology 419.1
painting trades 698.1
Signal
Butte, Neb history 978.298
devices airport equip. 629.1366
elec. stations 621.3175
intensity
measurement radio 621.384177
officers military sci. 355.34
rockets ordnance 623.45444
service meteorology 551.5
towers, railway archi. 725.33
Signaling
apparatus
archi. constr'n 721.893
devices, mech. mfg 681.631
Signals
communication 654.9
distress
radio in navigation 621.38419132
electric physics 537.88
forest engineering 634.9347
geodetic triangulation 526.32
corrections 526.35
in navigation acoustics 534.83
military engineering 623.73
science 355.415
motor vehicle equipment 629.2734
mountaineering 796.523
railway engineering 625.16
terrestrial
and longitude finding
astronomy 525.47
transport business 656
Signatures printing 655.27
Signboards advertizing 659.134
Signets carving 736.3
Signoria architecture 725.137
Signs
assignment of, to sounds
shorthand 653.13
city planning 711.68

Signs (cont.)
divinatory psychology 133.334
hand palmistry 133.644
luminous advertizing 659.136
moving " 659.135
road lands. constr'n 713.71
semantic philology 419.1
shorthand 653.12
store advertizing 659.157
zodiac occult astrology 133.52
Siguiri history 966.55
Sihu, China " 951.2425
Sikang, " " 951.37
Sikhism Hindu sect 294.553
Sikhras architecture 726.145
Si-Kiang
valley, China hist. 951.28
Siking, " " 951.435
Silage crops **agriculture** 633.3
cutters " 631.363
zootechny 636.08552
Silenaceae
(Caryophyllaceae) bot. 583.152
Silence school discipline 371.51
Sileneae, Silenoideae bot. 583.153
Silent
reading elem. educ. 372.4
system prisons 365.25
Silesia, Czech. history 943.73
German " 943.14
Polish " 943.8
Silesian schools
German poetry 831.5
Silhouette Island hist. 969.6
Silhouettes
drawing 741.7
landscape planting 715.1732
photography 778.8
Silica silver process
photography 772.13
Silicates mineralogy 549 6
Silicoflagellatae bot. 589.972
Silicon chemistry 546.28
Silius Italicus, T C
Latin epic poetry 873.4
Silk
artificial textile mfg 677.46
books rarities 096.2
braid manufactures 677.75
cordage " 677.71
culture agriculture 638.2
from cocoonless insects
textile manufactures 677 452
manufactures 677.4
mills architecture 725.4124
Silk (cont.)
surfaces painting 751.2274
textiles dom. economy 646.14
waste industry 677.44
Silk-
cotton
(Bombacaceae)
cotton manufactures 677.23
tree (Bombacaceae) bot. 583.173
spider products
textile manufactures 677.452
weed (Asclepiadaceae) bot. 583.73
worm sheds archi. 728.947
worms (Bombycina, etc.)
sericulture 638.2
textile manufactures 677.41-.44
Silkies fowls (Gallinae)
agriculture 636.588$_3^{\cdot}$
Sill courses
wall construction 721.25
Sills archi. constr'n 721.862
mot. veh. body 629.2622
Silo machinery agric. 631.363
Silos architecture 728.952
farm economics 631.23
filling of agric. 631.563
Silt
deposition veget. ecol. 581.52234
petrology 552.52
Silurian period geology 551.73
Silver
act, 1878 US history 973.83
1890 " " 973.86
1893 " " 973.87
braid manufactures 677.75
certificates fin. econ. 332.53
coinage metals 332.418
fabrics manufactures 677.53
fish (Lepismatidae)
agricultural pests 632.715
group chemistry 546.55
letters rare books 096.2
manufactories archi. 725.434
metallurgy 669.2
mineralogy 549.2
mining 622.3422
ores geology, economic 553.42
point drawing f. arts 741.25
polishing dom. econ. 648.55
processes photography 772.1
standard fin. econ. 332.422
state (Colo) history 978.8
(Nev) " 979.3
trimmings manufactures 677.76

Silver-
platinum processes
photography 772.32
thread brocade
special fabrics 677.61
ware domestic economy 642.7
fine arts **739.23**
manufactures 671
Silvics forest botany **634.948**
Silvicultural policy
forestry 634.925145
Silviculture **634.9**
forestry **634.95**
Simarubaceae botany 583.241
Simcoe co., Ont hist. 971.317
Simians (Anthropoidea)
mammalogy 599.88
Similarities
recognition of psychol. 153.333
Similars, law of therap. 615.53
Similiheliogravure process
photography 777.1
Similitude
centers of geom., mod. 513.54
geometry 513.17
theory of aerodynamics 629.13231
Simmental cattle (Bovidae)
domestic animals 636.2372
Simmering cookery 641.73
Simmon's Town history 968.713
Simms, W G Amer. fict. 813.35
Simon says games 793.72
Simonides of
Amorgos (Samos) Gk wit 887.2
Ceos Gk lyric poetry 884.4
Simony
canon law 348
ecclesiastic discipline 262.9
Simplex syst. telegraphy **621.38231**
Simplicity landscape art 712.25
ontology 111.821
shorthand 653.16
Simpson co., Ky history 976.9735
Miss. " 976.2585
types phot. 772.15
Sin doctrinal theology **233.2**
mortal doc. theol. 233.21
original
denied heresies 273.5
doctrinal theology 233.14
transmission of
doctrinal theology 233.14
venial doc. theol. 233.21
Sinai peninsula
European war, 1914–19 940.4296
history 953.1
ancient 939.48
Sinaitic inscriptions
philology 492.117
Sinaloa history 972.3
Sind " 954.7
[4] Sindi language **491.41**
Sine, Senegambia history 966.32
Singan, China " 951.435
Singapore
fortress military eng. 623.19595
history 959.5
Singeing textile process 677.02824
see also special fibers
Singer wild life refuge, La.
description 917.6381
Singers biography 927.84
[4] Singhalese language **491.48**
Singing
games, children's 796.13
physiology 612.784
psychology 158.83
public worship 264.2
technic music **784.9**
vocal " **784**
with orchestra " 785.21
Single tax public fin. 336.226
Singlestick sports 796.862
Sining, China history 951.472
Sinistrality
see Lefthandedness
Sinkers archeology 571.26
Sinkiang, China history 951.6
Sinking fund pub. fin. 336.33
Sinn Fein Irish history 941.591
Sino " 966.65
Sino-, *see* Chino-
Sinop process photography 774.1
Sins against Holy Ghost
doctrinal theology 233.22
Sinus
affections surgery 617.23
for special sinuses see region affected
pocularis anatomy 611.6231
venosus " 611.1497
Sinuses of Valsalva anat. **611.1265**
Sioux City, Ia history 977.7411
co., Ia " 977.713
Neb " 978.299
Siphonales botany **589.472**

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Siphonaptera (Aphaniptera)
agricultural pests 632.775
Siphoneae botany 589.471
Siphonocladaceae " 589.4735
Siphonocladales " 589.473
Siphonomycetes " 589.25
Siphonophora zoology 593.72
Siphonophyceae botany 589.471
Siphonotestales " 589.9722
Siphons hydraulics 532.56
practical chem. 542.66
Sirah grape viticulture 634.8544
Sirenia mammalogy 599.55
Sirens mot. veh. equip. 629.2734
Sirobasidiaceae botany 589.2232
Sirocco meteorology 551.51
Sirosiphonaceae botany 589.83
Sirup adulterations 614.311
Sisal
(Amaryllidaceae)
fiber crops 633.5771
Philippine (Amaryllidaceae) fiber crops 633.5773
Siskiyou
county, Calif. history 979.421
Mountains, Ore " 979.525
national forest, Ore
description 917.9521
Sisterhoods
non-Catholic ch. hist. 271.98
parochial
pastoral theology 255
religious orders 271.9
Sisters
Little, of the poor
religious orders 271.95
of mercy relig. orders 271.92
the Presentation
religious orders 271.977
Sacred heart
religious orders 271.977
Salesian " " 271.975
Sit down strikes econ. 331.8934
Site
forest ecology 634.9472
planting 634.95651
of industrial plant
business management 658.218
silvics 634.9482
see also qualifying or specific terms
Sitsang, China history 951.5
Sittewald, Philander, *pseud.*
German wit 837.51
Sitting room furnishing
domestic economy 645.65
Siuslaw nat'l forest, Ore
description 917.9531
Siva comparative religion 294
Sivas, Trabzon history 956.5
Six year highschools
2dary education 373.234
public 379.171
Sixty-six card games 795.41
Size and visual perception
physiology 612.84372341
psychology 152.1372341
forest cutting 634.9524
Sizeometers photography 771.41
Sizes office materials 651.463
standard lit. meth. 029.1
Sizing
film base phot. chem. 771.542
materials " " 771.528
painting, art 751.41
papers photography 770.2813
plates & films " 770.2812
textile process 677.02824
see also special fibers
Sjoberg, Erik Swed. wit 839.7762
Skagit co., Wash hist. 979.772
Range, " " 979.773
Skamania co., " " 979.784
Skat card games 795.41
Skates manufactures 685.361
(Raiidae) ichthyol. 597.35
Skating, ice sports 796.91
rinks archi. 725.862
roller sports 796.21
Skeen arches
architectural constr'n 721.413
Skees, etc., *see* Skis, etc.
Skein yarns manufactures 677.02862
see also special fibers
Skeining textile process 677.02822
see also special fibers
Skeleton
anatomy 611.71
comparative 591.47
art anatomy 743.46
leaves fancywork 746.44
Skeletons, preparation of
biologic collecting 579.1
Skelton, John Eng. poet. 821.22
Skeps apiculture 638.1422
Skepticism
heresies 273.8
metaphysics 121
natural theology 211
philosophic system 149.7
philosophy, ancient 186.1

Skeptics, relig. biog. 922.91
Sketches
essays, etc.
in specific fields
[2] see subject —04
mechanical drawings 744.42
Sketching
design wood engraving 761.24
drawing 741.7
landscape art 712.35
painting technic 751.41
Skew
arches arched constr'n 721.455
bevel gears mech. eng. 621.8332
vaults arch constr'n 721.455
Skewbacks " " 721.428
Ski troops infantry 356.16
Skiagraphy drawing 742.5
photography 778.33
Skid chains
motor vehicle equipment 629.2725
Skidding tramways
·logging 634.982532
Skids aircraft constr'n 629.1343845
Skiing
and skijoring sports 796.93
safety public health 614.87
Skill
acquisition of psychol. 158.433
games of recreation 794
Skim colter plow farming 631.3127
milk dairy industry 637.147
plow farming 631.3125
Skimmers
butter industry 637.23211
(Longipennes) ornithol. 598.42
Skin
absorption physiology 612.384
administration of
medicines by therap. 615.67
affections pathology 616.51–.52
anatomy 611.77
and chemic substances
physiology 612.7935
loss of heat
physiology 612.524
diagnosis pathology 616.0753
diseases " 616.5
effect radio circuits 621.384124
formations, new pathol. 616.55
friction aerodynamics 629.13237
glands anatomy 611.772
grafting surgery 617.47
physiology 612.79
production zootechny 636.0884
Skinning
biologic collecting 579.4
Skins as money 332.56
[4] **Skipetar language** 491.991
Skipping rope recreation 796.21
Skips mining 622.68
Skirmishing mil. science 355.422
Skis aircraft 629.1343847
manufactures 685.363
Skittles recreation 794.6
Skokomish Indian
reservation, Wash hist. 979.797
Skotographs photography 778.34
Skua (Longipennes)
ornithology 598.42
Skull anatomy 611.714
craniology 573.7
phrenology 139
Skunk farms agriculture 636.9
grape viticulture 634.847
(Mephitinae)
mammal. 599.744475
Skunk-
cabbage (Araceae) bot. 584.65
weed (Polemoniaceae) " 583.7611
Sky effects
landscape constr'n 713.4
shades photography 771.358
worship comp. relig. 291.2128
Skylights archi. design 729.3554
library bldg 022.72
roof constr'n 721.554
Skyscraper cities
civic arts 711.424
Skyscrapers architecture 725.232
city planning 711.65
Skywriting
advertizing 659.138
aircraft service 629.13869
Slabs door construction 721.838
Slag, enameled ceramics 738.46
wool manufactures 677.52
Slags **fertilizers** 631.853
metallurgy 669.8
Slander ethics 177.3
Slang English language 427.09
[3] other " —709
in specific fields
[2] see subject —0144
Slankamenka grape vitic. 634.85439
Slash disposal silvic. 634.955
Slat shades rush mfg 677.544
straw " 677.541
Slate
geology, economic 553.54
petrology 552.44

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Slate (cont.)
turkey (Gallinae) agric. 636.5925
writing recreation 793.8
Slats door construction 721.838
Slatted doors
architectural constr'n 721.837
Slaughter Mt, Va, battle, 1862
US Civil war 973.7328
Slaughterhouse
refuse fertilizers 631.843
Slaughterhouses
and air pollution
public health 614.741
architecture 725.28
chemic technology 664.9
industrial sanitation 628.549649
Slaughtering animals
public health 614.97
Slave cabins archi. 728.92
Coast history 966.83
labor polit. econ. 331.58
system production 338.63
trade polit. sci. 326.1
Slavery
abolition of
1863 US history 973.714
political science 326.8
amendment, 1865
US constitutional law 342.73
history 973.81
in Europe polit. sci. 326.94
S. Amer. " " 326.98
US " " 326.973
etc.
opposition to
political science 326.4–.6
political science 326
support of polit. sci. 326.7
US civil war causes 973.7111
Slaves
biography of polit. sci. 326.92
contracted " " 326.2
fugitive
US Civil war causes 973.7115
Slavic languages 491.7–.8
philosophers 197
Slavonia history 943.93
[4] Slavonic language, Church- 491.81701
[4] of Elbe language 491.89
Slavs history, ancient 936.7
Sled factories archi. 725.451
hauling logging 634.982525
Sledging sports 796.94
Sleds agric. transport 631.3733
Sleep
and rest hygiene 613.79
wakefulness psychol. 135.2
work " 158.737
chemic phenomena of
physiology 612.82175
of plants
vegetable phenology 581.5436
periodic
plant movements 581.18332
physiology of brain 612.8217
talking psychology 135.6
walking " 135.5
Sleeping
car factories archi. 725.454
rates railways 385.132256
porches
domestic economy 643.57
furnishing dom. econ. 645.67
sickness
encephalitic pathol. 616.83
epidemic " 616.92
Sleigh factories archi. 725.451
Sleighing sports 796.94
Sleight of hand
parlor recreation 793.8
Sleuth dogs (Canidae)
domestic animals 636.75
Slick Sam, *pseud.*
American wit 817.38
Slide
mounting microscopy 578.6
rule
actinographs phot. 771.37
manufactures 681.143
mathematics 510.78
office equipment 651.2643
Slides, dark camera equip. 771.32
gun mounts 623.4352
lantern
see Lantern slides
magazine phot. 771.33
timber logging 634.98255
Sliding
doors archi. constr'n 721.836
gear motor vehicles 629.24442
scale wages 331.22
trail logging 634.982526
windows archi. constr'n 721.846
Sligo history 941.72
Slime
algae (Schizophyceae) bot. 589.8
fungi (Myxomycetes) " 589.29
mold " " 589.29
treatment ore dressing 622.76

Sling hunting sports 799.262
Slip decoration ceramics 738.15
grafting agriculture 631.54133
stream aerodynamics 629.13232
Slip-covers dom. econ. 645.48
Slippers manufactures 685.314
Slips floriculture 635.948
packing bus. meth. 658.78847
veget. propagation 581.16583
waterfront plan. 711.764
Slit fungi
(Hysteriineae) bot. 589.2333
lichens
(Graphidineae) " 589.172
Slogans advertizing 659.12
Slope steps lands. art 717.88
wall construction 721.25
Slopes
landscape ground forms 713.5
Slot machines
manufactures 681.131
selling methods 658.84
Sloth (Edentata) mammal. 599.31
ethics 179.8
Slotters machine tools 621.912
Slovakia Czech. history 943.7
Hung. " 943.91
[4] Slovakian language 491.872
Slovenia history 943.67
[4] Slovenian language 491.84
Slow cookers
kitchen equipment 643.338
motion cinematic
cameras phot. 778.534
train
express rates rys 385.132353
passenger " " 385.132253
Sloyd educational value 371.4262
elementary educ. 372.5
Sludge, disposal of
sanitary engineering 628.348
Slugs (Pulmonata) zool. 594.38
Sluice gate wheels
mechanical engineering 621.224
Sluices mechanical eng. 621.29
Sluicing logging 634.982545
mining 622.32
Slum areas city plan. 711.583
clearance " " 711.16
Slums hyg. of dwellings 613.53
laboring classes 331.833
Smallpox
inoculation pub. health 614.471
pathology 616.912
public health 614.521
Smarrito, *pseud.* It. essays 854.54
Smartweed
(Polygonaceae) bot. 583.917
Smearcase cheese indus. 637.356
Smell
center
anatomy 611.8133
physiol. of olfaction 612.8672
organs anatomy 611.86
physiology 612.861
pathology of medicine 616.21
physiol. 612.8677
physiology 612.86
of brain 612.82556
psychology 152.3
suggested by other
sensations psychol. 152.773
suggesting color " 152.77123
Smelting metallurgy 669.8
works archi. 725.432
Smilacoideae botany 584.323
Smith
Ben, *pseud.* Amer. drama 812.32
Henrik Danish lit. 839.81825
Sydney English essays 824.72
Smith co., Kan history 978.121
Miss. " 976.258
Tenn " 976.852
Smithfield
Orange Free State hist. 968.58
West Virginia " 975.418
Smithsonian
exchanges of books, etc.
library economy 021.852
institution 506.173
Smocking fancywork 746.42
Smoke
consumers
industrial sanitation 628.53
steam boiler furnace 621.1838
effect on plants bot. 581.52226
flues bldg industry 697.8
landscape planting 715.158
nuisance indus. san. 628.53
pollution by
public health 614.71
prevention
steam power plant 621.1941
screens mil. strategy 355.43
stacks
steam boiler furnace 621.1838
Smoke-box
locomotive boilers 621.1334
Smokehouses architecture 728.93

Smoking
apparatus manufactures 679
cthics 178.7
food preservation
chemic technology 664.8
domestic economy 641.49
hygiene 613.84
jackets domestic econ. 646.472
protective apiculture 638.1415
Smollett, T G Eng. fict. 823.63
Smoothing harrow farming 631.3131
Smoothness sensation
physiology 612.88
psychology 152.574
Smuggling
criminal law 343
prevention
aircraft service 629.13843
tariff violations 336.268
Smut pathologic botany 581.2324
(Ustilaginales)
agricultural pests 632.427
Smyrna carpet mfg 677.643
history 956.2
Smyth co., Va history 975.572
Snails
(Pulmonata) fisheries 639.4
sea- (Prosobranchia)
agriculture 638.38
Snake
farming agriculture 639.3799
poisons physiology 612.314
toxicology 615.94
River
Mountains, Ida history 979.655
valley
history 979.61
lower, Wash hist. 979.74
Ore history 979.57
upper, Ida hist. 979.65
Snakeroot
black
(Ranunculaceae) bot. 583.111
button
(Apiaceae) " 583.481
(Eupatoriaceae) " 583.5544
Canada, or heart
(Aristolochiaceae) " 583.924
sanicle (Apiaceae) " 583.481
Senega (Polygalaceae) " 583.143
Virginia
(Aristolochiaceae) " 583.924
Snakes (Ophidia) herpetol. 598.12
Snaking logging 634.982522
Snap bean (Fabaceae)
garden crops 635.652
Snapdragon
(Scrophulariaceae) bot. 583.81
Snaps clothing industry 687.8
Snapshots photography 778.37
Snares zootechny 636.081111
Sncezeweed
(Heleniaceae) botany 583.5538
Sneczing physiology 612.219
stimulators
therapeutics 615.726
Snipe (Limicolae) ornithol. 598.33
Snohomish co., Wash hist. 979.771
Snoozer card games 795.41
Snoqualmie nat'l forest
Washington .description 917.977ī
Snoring physiology 612.219
Snow
flea (Poduridae)
entomology 595.713
meteorology 551.57
plants veget. ecol. 581.52655
removal san. eng. 628.46
sculpture f. arts 731.254
sheds railroad eng. 625.13
sports 796.9
Snow-
berry
(Caprifoliaceae) bot. 583.511
creeping
(Vacciniaceae) " 583.611
(Ericaceae) " 583.62
(Rubiaceae) " 583.52
drop-tree
(Oleaceae) " 583.71
(Styracaceae) " 583.6861
shoeing sports 796.92
shoes manufactures 685.363
storms meteorology 551.55
Snowy Range, Colo hist. 978.865
Snubbers motor vehicles 629.24342
Snyder co., Pa history 974.849
Soap
bubbles
children's recreations 796.11
laundry business 648.18
manufactures
and pollution
public health 614.744
chemic technology 668.1
sculpture fine arts 731.255
Soapberry (Sapindaceae) bot. 583.282
Soapstones geol., econ. 553.55
Soapwort (Silenoideae) bot. 583.153

Soaring aerodynamics 629.13231
Sobat-Pibor history 962.9
Sobriquets bibliography 014
Soccer sports 796.33
Sociability
  animals zoology 591.55
  biology 575.35
  instinct psychology 158.4245
  plants botany 581.55
Social
  accountability
    criminology 364.34
  agencies and juvenile
    courts criminology 364.528
  aspects motor vehicles 629.213
  centers
    recreation grounds 712.546
    self-culture 374.28
  classes, *see* Classes, soc.
  clubs, *see* Clubs, soc.
  communities polit. sci. 323.35
  conditions and city plan.
    civic arts 711.13
  conflicts and crime
    sociology 364.256
  control sociology 301.1523
  customs
    and manners " 394
    bad hygiene 613.87
  democracy polit. econ. 335.5
  distinctions ethics 177.5
    heraldry 929.7
  drinking temperance 178.3
  duties ethics 177
  equality " 177.5
  ethics 177
    sociology 301.15
  evil ethics 176.5
  factors and crime
    sociology 364.25
  forces sociology 301.15
  group unity " 301.152
  groups legislature 328.3344
    political sci. 323.3
    suffrage 324.227
  ideals sociology 301.15
  influences
    differential psychol. 136.27
    of forests agric. 634.923
  institutions welfare 360
  insurance
    see Insurance, social
  life customs & manners 390
    see also Customs, national
Social (cont.)
  needs, curriculum for
    education 375.007
  obligations ethics 177.8
  pressure sociology 301.1523
  problems and church
    theology 261
  procedure codes
    customs & manners 395
  progress sociology 301.1535
  psychology " 301.15
  reform and taxation
    public finance 336.295
  responses soc. psychol. 301.15
  science 300
  settlements labor econ. 331.85
  status
    and celibacy demog. 312.5
      marriage " 312.5
    demography 312.9
    teachers education 371.105
[1] **surveys description** 014–919
[1] **sociology** 309.1
  traits lib. employes 023.52
    personality 137.33
  viewpoint
    in specific fields
[2] see subject —009
  work sociology 360
  workers 360.69
[1] **biography** 923.6
    juvenile courts 364.523
  worship religion 264.7
Socialism polit. econ. 335
  see also specific names
Socialist
[1] **communities economics** 335.9
  production and crime
    sociology 364.26
Socialization
  of land polit. econ. 333.14
  sociology 301.1535
Socialized recitation
  seminar methods 371.37
Societies
  colonial US 369.12
  communities 300
  cooperative polit. econ. 334
  general learned 060
  hereditary
    see Patriotic societies
  labor economics 331.88

Societies (cont.)
learned buildings for
architecture **727.95**
patriotic
see Patriotic societies
political 363
scientific **506**
secret
buildings for archi. 728.46
sociology **366**
student life **371.85**
student, *see* Student societies & clubs
vegetable ecology 581.553
welfare sociology **360**
in other specific fields
[2] see subject —06
Society
and self
psychol. of personality 153.72
coinage numismatics 737.47
dance music for piano 786.46
ethics **177**
for ethical culture 170.62747
houses college archi. 727.38
Islands history 996.2
libraries
private lib. econ. 027.68
[1] **proprietary " "** **027.2**
of Amer. wars of the US 369.118
colonial
dames of America 369.122
National 369.123
wars 369.121
[1] **Friends Quakers** **289.6**
Jesus monastic ord. 271.5
loyal volunteers 369.153
Mayflower descendants 369.124
nations int'l law 341.1
the
army
and navy
of the Gulf 369.156
of Santiago
de Cuba
US soc. 369.182
the Cumberland 369.158
Cincinnati 369.131
daughters of the
Cincinnati 369.132
Sacred heart of Jesus
relig. sisterhoods 271.93
2d war with Gt. Brit.
in the state of
New York 369.144
Society (cont.)
of the war of 1812 369.141
Military 369.143
veterans of the
regular army and
navy of the US 369.112
songs music **784.66**
Socinian doctrine of grace
soteriology 234.112
Socinianism heresies 273.4
[1] **sect. hist.** **288**
Sociologists 301.069
biography **923**
Sociology **300**
Sockets radio circuits 621.38413387
Socrates philosopher 183.2
Socratic group philos. 183.3
method educ. 371.35
Sod plow farming 631.3125
Soda
baking chemic tech. 664.6
chemic technology 661.3
waters
see Carbonated waters
Sodalities, parish work
religion 256
Sodium
assimilation botany 581.1335464
chemistry 546.33
salts and nutrition
physiology 612.39261
Sommering's
substantia nigra anat. 611.81541
Soeurs de bon secours
religious orders 271.94
Sofala history 967.97
Sofas artistic furniture 749.32
domestic economy 645.42
Soffited arches
architectural constr'n 721.427
Soffits arch " 721.428
Soft commissure anatomy 611.8144
drinks
cookery 641.87
hygiene 613.36–.38
state inspection 614.346–.349
red seaweeds
(Gigartinales) bot. 589.414
Sogdiana history, ancient 939.61
Soil
adaptability of agric. 631.44
aerated " 631.433
analysis " 631.42
public health 614.771
arable, *see* Arable lands
architectural constr'n 721.11
binders landscape art 715.1754

Soil (cont.)
biology agriculture 631.46
forestry 634.947277
bridge engineering 624.151
chemistry forestry 634.947274
city planning 711.14
components, solid
public health 614.774
conditions pub. health 614.77
effect on plants bot. 581.52222
enrichment veget. ecol. 581.52235
exhaustion " " 581.52236
fertility
maintenance of agric. 631.45
public parks 712.515
forest effects of agric. 634.9223
geol. compos. of " 631.411
improvement " 631.8
inoculation fertilizers 631.8472
mineral amendments to agriculture 631.82
moisture
agriculture 631.432
public health 614.772
physics forestry 634.947273
pollution pub. health 614.776
preparation of agric. 631.51
products of the " 633
songs of vocal music 784.4
temperature agric. 631.436
valuation of forestry 634.928425
variation due to vitic. 634.8364
working appliances farming 631.31
Soilless culture
agricultural methods 631.58
Soils agricultural geol. 631.4
chemic analysis 543.7
floriculture 635.955
forest ecology 634.94727
Soissons, France
European war, 1914 940.4217
1915 940.4242
1918, May 940.4343
Aug. 940.4352
history 944.34
Soja max, *see* Soybean
Sokal European war 940.4252
Sokoto history 966.96
Sokotra Island " 967.728
Sol lamps phot. lighting 771.446
Solanaceae botany 583.79
Solanineae " 583.8
Solano co., Calif. hist. 979.452
Solanum tuberosum
(Solonaceae) field crops 633.491
garden " 635.21
Solar
cameras photography 771.318
day chronology 529.1
engines mechanical eng. 621.47
observation instr. for astronomy 522.56
parallax and transits of Venus 523.92
physics astronomy 523.7
plexus anatomy 611.83931
radiation astronomy 523.72
system
astronomy 523.2
stability of astron. 523.26
tables
astronomy, terrestrial 525.38
year chronology 529.2
Solariums domestic econ. 643.57
Solarization
phot. sensitometry 771.5345
Soldering metal mfg 671
Soldiers
[1] **biography 923.5**
cemeteries, national
.landscape art 718.8
children, care of
sociology 362.75
food for hygiene 613.21
homes architecture 725.59
public welfare 362.8
libraries 027.652
military science 355
rations military science 355.81
suffrage 324.162
limitations 324.177
[1] **unknown, tombs of Eur. w. 940.465**
YMCA work with 267.367
see also Veterans
Sole (Anacanthini) ichthyol. 597.56
of foot muscles
anatomy 611.7389
Solemnities music 783.29
Soleniaceae botany 589.6223
Solenoporaceae " 589.415
paleobot. 561.9415
Soleus anatomy 611.73854
Sol-fa method
voice culture 784.94
Solfeggios
music education 780.77
voice culture 784.94

Soliciting by employes
  library economy 023.93
  office " 651.443
Solicitor advertizing 659.112
Solid walls
  architectural constr'n 721.293
Solidification
  point, lowering of
    practical chemistry 542.63
  practical chemistry 542.65
  thermology 536.43
Solids
  drawing 741.44
  geometry 513.3
  properties of chem. 541.31
    physics 539.2
  solubility of chem. 541.3441
Solidungula mammalogy 599.725
Solifugae zoology 595.48
Solipsism metaphysics 121
Solitaire card games 795.43
  marble " 794.5
Solitary
  confinement
    criminal law 343.2
    prison systems 365.24
    type prison bldgs 365.53
  glands anatomy 611.3415
  study self-education 374.1
  vice ethics 176.4
Solitude ethics 177.8
Solo card games 795.41
Solodyne receiving sets
  radio 621.384136627
Solognote sheep (Bovidae)
  domestic animals 636.3442
Solomon
  island, Indian Ocean hist. 969.7
  islands, Pacific " " 993.5
  ring of palmistry 133.6432
  Song of Bible 223.9
  Wisdom of Apocrypha 229.3
Solomon's seal (Convallariaceae) botany 584.322
Solubility chemistry 541.342
  forms chem. 541.344
  prac. " 542.62
Solute state " 541.34
Solutes, laws of " 541.3412
Solution forms " 541.344
  pressure " 541.342
Solutions
  heat of thermochem. 541.36
  of problems, in specific
[2] fields see subject —0762
Solutions (cont.)
  photographic chemistry 771.54
  terminology of chem. 541.3412
  titration of
    quantitative analysis 545.2
  volumetric analysis 545.6
Solvency, pub. gov't fin. 336.346
Solvents
  chemistry 541.346
  developer phot. chem. 771.544
  film base " " 771.542
  painting, art 751.247
  practical chemistry 542.61
Soma and chromosome in
  variation botany 581.151252
[1] **Somali language** 493.51
Somaliland history 967.7
Somatic brain physiology 612.492
Somatologic statistics
  demography 312.6
Somatology anthropology 573
Somatopleure embryology 611.01364
Somers islands history 972.99
Somersaults
  children's games 796.14
Somerset
  county, Eng. history 942.38
    Me " 974.12
    Md " 975.223
    NJ " 974.944
    Pa " 974.879
  East " 968.762
  hor. sheep (Bovidae)
    domestic animals 636.3241
Somesthetic senses
  physiology 612.88
  psychology 152.5–.6
Somme
  battle Eur. w., 1916 940.4272
    1918 940.4341
  history 944.26
  salient European war 940.4353–5
Sommelier ram mech. eng. 621.274
Somnambulism
  and crime sociology 364.243
  hysteric medicine 616.852
    psychology 132.152
  induced hypnotism 134.52
  psychology 135.5
  treatment of psychology 135.56
Somnambulistic
  activities psychology 135.55
  responsibility " 135.532
  sensibility " 135.53

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Somnambulists biography 920.91355
Son, God the doc. theol. 231.2
Sonata and sonatina
music form 781.50822
piano music 786.41
Sondershausen, Schwarzburg-
history 943.27
Song
festivals music 784.5
imitating instr. mfg 681.825
of songs Bible 223.9
the 3 children
Apocrypha 229.5
Songbirds
aviculture 636.68
instr. imitating mfg 681.825
Songea history 967.85
Songs
and ballads
literature, American 811.04
English 821.04
[3] other —104
rhetoric 808.14
collections of
music 784.8
popular folklore 398.8
exotic music 784.75
folk-, *see* Folk-songs
gipsy music 784.752
kindergarten educ. 372.2152
music 784.625
martial " 784.71
nat'l, of Czechoslovakia 784.719437
Media 784.719353
US 784.71973
etc.
negro music 784.756
part- " 784.8
patriotic " 784.71
political " 784.71
[1] **student univ. & col.** 378
topical music 784.68
vocal chamber music 784.3
music 784
without words
music form 781.50834
piano music 786.43
Sonneratiaceae botany 583.443
Sonnets lit., American 811.04
English 821.04
[3] other —104
rhetoric 808.14
Sonoma co., Calif. hist. 979.418
Sonora history 972.1
Sons of
Confederate veterans 369.173
the American revolution 369.133
revolution US soc. 369.134
Union veterans of the
Civil war 369.165
Soochow, China history 951.13
Sooner state (Okla) hist. 976.6
Soothsaying psychology 133.3
Sophist philosophers 183.1
Sophisticism philosophy 149.7
Sophocles Greek drama 882.2
Sophonias Bible 224.96
Sophoreae (Fabaceae)
field crops 633.371
Sopris nat'l forest, Colo
description 917.8843
Sorachi history 952.455
Sorapillaceae botany 588.21414
[4] **Sorbian language** 491.88
Sorcerers, fraudulent
humbugs 133.74
Sorcery comp. religion 291.62
occultism 133.4
Sordariaceae botany 589.2351
Soredia
vegetable generation 581.1653
Sores surgery 617.24
Sorghum (Andropogoneae)
cereal crops 633.174
chemic technology 664.1
sugar crops 633.62
Soricoidea mammalogy 599.33
Sorites logic 166
Sorophora botany 589.292
Sororities student life 371.856
Sorrel (Polygonaceae)
garden crops 635.45
Sorters
crop cleaning tools 631.3623
Sorterup, Jörgen
Danish poetry 839.81141
Sortilage divination 133.332
Sorting
crops agriculture 631.5623
statistical, machines
office equipment 651.2646
Soshu, Chiba history 952.1321
(Sagami) " 952.133
Soteriology doc. theol. 234
medicine 613–614
Soto, Hernando de
American history 973.16

Souari nut (Caryocaraceae)
botany 583.1665
Soudan, *see* Sudan
Soul
future life of
metaphysics 129.6
theology, doctrinal 237
natural 218
in animals zoology 591.51
metaphysics 128
physiologic theories 612.0134
wandering, theory of
dreams psychology 135.30168
Soulanges co., Que hist. 971.4265
Soulier & Ferrier process
photography 772.13
Soumet, Alexandre
French drama 842.71
Sound
action of mesology 612.01445
analysis acoustics 534.4
psychology 152.28743
and color
physiology of vision 612.84373
psychology " " 152.1373
conduction in internal ear
physiology 612.8581
psychology 152.281
films phot. projection 778.5544
photography 778.5344
graphic representations of
acoustics 534.6
localization in space
physiology 612.858751
psychology 152.28751
measurement radio 621.384177
music 781.22
musical quality of
psychology 152.287424
organs, anim. physiol. 612.786
physics 534
producers, automatic mfg 681.135
proofing aircraft 629.13434
bldg constr'n 693
quality of physics 534.4
physiology 612.8587424
recording & reproducing
instruments mfg 681.843
sensibility to physiol. 612.85876
psychol. 152.2876
suggested by various
sensations psychology 152.772
Sound (cont.)
volume
interaural differences of
physiology 621.8587512
psychology 152.287512
physics 534.4
psychology 152.287423
Sounders telegraphy 621.3833
Sounding machinery
ship outfit 623.86
Soundings hydrography 526.99
oceanography 551.46
sci. travels 508.3
Soundness of animals
zootechny 636.08115
Sound-ranging physics 534.2
Sounds
assignment of signs to
shorthand 653.13
figured psychology 152.7713
shorthand 653.11
systems of phonology 414
Source method
Sunday schools 268.66
Sources
of information, in specific
[2] fields see subject —0002
Roman law jurispr. 349.371–.373
Sour-gum tree
(Cornaceae) botany 583.497
(Myssaceae) " 583.415
Sourmilk cheese
dairy industry 637.356–.357
Soursop (Anonaceae)
fruitculture 634.411
South
Africa Eur. w., 1914 940.4238
Union of hist. 968
African Republic " 968.2
route commerce 387.5223
America history 980
American
architectural styles
pre-Columbian 722.918
circuit commerce 387.5224
literature, Portuguese 869.8998
Spanish 868.998
Atlantic
ocean physiography 551.464
states, US history 975
see note under Virginia
Australia history 994.2
Bend, Ind " 977.289

Topics in black face type are subdivided. Superior figures refer to the tables following this index

South (cont.)
Carolina
history 975.7
see note under Virginia
secession US history 973.713
Central states, US hist. 976
see note under Virginia
Dakota
admission US history 973.86
history 978.3
see note under Virginia
Hams cattle (Bovidae)
dom. animals 636.2262
Mt, Md, battle, 1862
US Civil war 973.7336
Orange, NJ history 974.933
Park Range, Colo " 978.859
Platte River valley
history 978.871
Nebraska history 978.23
pole exploration 919.9
Sea
bubble stock exchange 332.630942
islands history 996
US history 975
see note under Virginia
Southam nots (Bovidae)
domestic animals 636.3217
Southampton co.
England history 942.27
Virginia " 975.555
Southdown sheep (Bovidae)
domestic animals 636.3231
Southeastern states, US
history 975
see note under Virginia
Southern
California history 979.49
colonial architecture 724.175
dynasties Chinese hist. 951.014
dynasty Japanese " 952.0221
lights astronomy 523.59
red hills, Ala history 976.13
states, US " 975
see note under Virginia
Southerne, Thomas
English drama 822.52
Southey, Robert Eng. poet. 821.73
Southwark, London hist. 942.16
Southwest
Africa protectorate
history 968.8
Southwest (cont.)
US history 979
see note under Virginia
Souvestre, Emile
French fiction 843.75
Sovereign
revenues pub. finance 336.18
worship comp. religion 291.213
Sovereigns
[1] **biography** 923.1
enthronement of
social customs 394.43
Sovereignty
political science 320.157
popular, *see*
Squatter sovereignty
Soviet Russia history 947.084
Sow bug (Isopoda) zool. 595.372
Sowing broadcast agric. 631.5311
forest nursery 634.95642
mach. farming 631.33
Sow-thistle (Liguliflorae)
botany 583.552
Soya history 952.485
Soybean (Fabaceae)
field crops 633.34
garden " 635.655
silk.industry 677.472
Space
and time cosmology 115.4
astronomy 523.14
buying advertizing 659.112
cosmology 114
hyper- geometry 513.8
localization of sound in
physiology 612.858751
psychology 152.28751
perception psychology 152.752
tests 151.2232752
sense physiology 612.881
Spacing
office correspondence 651.74
Spaders farm tools 631.3115
Spades " " 631.3111
Spadiciflorae botany 584.64
Spading harrow farming 631.3137
tillage 631.511
Spain history 946
Spalding co., Ga history 975.844
Span roofs
architectural constr'n 721.58
Spandrels wall " 721.262
Spanish
America history 980
North " 972

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Spanish (cont.)
American
literature 868.997-.998
war, Naval and military
order of the 369.183
Sp. history 946.08
US " 973.89
for uniform subdivisions see subheads under Civil war, US
veterans US soc. 369.181
armada English hist. 942.055
colonial architecture 724.172
discoverers Amer. hist. 973.16
fly, *see*
Cantharides, Flies
grape, black vitic. 634.8452
viticulture 634.8441
inquisition ch. hist. 272.2
islands, Guinea hist. 967.19
language 460
lime (Sapindaceae)
fruitculture 634.652
literature 860
outside of Spain 868.994-.999
regional 868.99
Morocco history 964.2
mosses (Bromeliaceae)
botany 584.22
Peaks, Colo history 978.896
philosophers 196
plum (Anacardiaceae)
fruitculture 634.443
republic, 1st history 946.08
2d " 946.08
rule Mex. " 972.02
succession, war of the
Eur. history 940.22
US " 973.25
war veterans US soc. 369.181
see also Spanish Amer. war
Spanish-Austrian ascendancy
Italian history 945.07
Spans horsemanship 798.6
Spar geology, economic 553.66
Sparganiaceae botany 584.612
Spark
arrester
locomotive boilers 621.1334
gaps radio 621.3841312
voltage measurements 621.384176
governors mot. vch. 629.2584
induction electricity 537.52
plugs mot. veh. 629.2546
Spark (cont.)
system radio 621.3841521
telegraphy 621.3842521
timed, system radio 621.3841535
Sparking distance
radio measurements 621.384176
Sparkless discharge radio 621.3841312
Sparks, Timothy, *pseud.*
English fiction 823.83
Sparring athletics 796.83
Sparrows (Acromyodi)
agricultural pests 632.6881
Spars aircraft supports 629.134328
shipbuilding 623.85
Sparta hist., ancient 938.9
Spartan supremacy
Greek history 938.06
Spartanburg co., SC hist. 975.729
Sparterie manufactures 677.542
Sparto (Agrostideae)
cordage manufactures 677.71
fiber crops 633.583
textile manufactures 677.542
Spas, bldgs for archi. 725.75
city planning 711.455
hygiene 613.12
sanitariums sociol. 362.13
Spathelioideae (Rutaceae)
botany 583.23
Spathiflorae botany 584.64
Spatter work lithography 763.4
Spatterdock (Nymphaeaceae)
botany 583.118
Speakers legis. bodies 328.3621
Speaking
automatic spiritism 133.93
extemporaneous oratory 808.5
trance divination 133.323
tube openings
architectural constr'n 721.893
tubes communication 654.8
dom. economy 643.6
library equip. 022.947
mot. veh. " 629.2783
office " 651.2628
Spear throwing sports 796.38
Spearing hunting sport 799.262
Spearmint (Lamiaceae)
garden crops 635.72
Specialists stock exchange 332.62
Specialization production 338.018
Specie
circular, 1836 US hist. 973.56
financial economics 332.419

Specie (cont.)
payment
financial economics 332.52
resumption, 1879
US history 973.83
points foreign exchange 332.45
Species
extinct biology 575.7
origin of evolution 575.8
terminology of, in specific
[2] fields see subject —01432
wideranging
botanic variation 581.151314
zootechny 636.08211
Specific
duties taxation 336.264
vs ad valorem duties
trade prot'n 337.32
varietal characters
botanic variation 581.151311
weight, *see*
Gravity, specific
Specifications
building industry 692.3
graphic mech. drawings 744.42
landscape art 712.35
office files 651.62
in other specific fields
[2] see subj. —00033
Specifics pharmaceutics 615
zootechny 636.0895
Specimen
books printing 655.24
gardens landscape art 712.626
Spectacles, *see* Eyeglasses
Specters occultism 133.1
photography 778.8
Spectrophotometers
photographic chemistry 771.5345
Spectroscope manufactures 681.414
Spectrum
analysis
astronomy 522.67
of blood physiology 612.11115
urine " 612.461175
optics 535.84
qualitative analysis 544.6
lunar astronomy 523.37
meteoric " 523.57
of comets " 523.67
solar " 523.77
stellar " 523.87
Speculation
ethics 174.5
Speculation (cont.)
financial economics 332.64
land polit. economy 333.33
Speculative
cycle fin. economics 332.64
point of view, in specific
[2] fields see subject —001
securities fin. econ. 332.63
Speech
center brain physiol. 612.825249
defectives, education of 371.927
distortion
radio circuits 621.3841282
freedom of polit. sci. 323.443
imitating instr. mfg 681.825
organs acoustics 534.7
anatomy 611.2
origin of philology 401.1
philology 400
phonology 414
physiology 612.78
psychology 158.83
training elem. educ. 372.4
oratory 808.5
Speeches, *see* Oratory
Speed
and visual perception
physiology 612.84372343
psychology 152.1372343
avigation 629.13252
cameras cinematic phot. 778.534
controls mot. veh. 629.2444
high, system radio 621.3841584
horse (Equidae)
dom. animals 636.12
logs ship outfit 623.86
maint. devices aircraft 629.13516
measurements
phot. sensitometry 771.5345
photography
films phot. chemistry 771.5325
fine arts 778.37
rolling stock 625.26
shipbuilding 623.81
shorthand 653.15
tests aircraft 629.1345
variable, axles
motor vehicles 629.2455
Speedometers
aircraft equipment 629.13515
mot. veh. " 629.2733
Spegel, Haquin Swed. poet. 839.7133
Spelin universal lang. 408.9

Spelling
books Eng. lang. 428.1
[3] other " —81
elementary education 372.4
match recreation 793.71
office correspondence 651.74
reading & writing combined
elem. education 372.45
reform English lang. 421.4
[3] other " —14
Spells sorcery 133.42
Spencer, Herbert philos. 192.8
Spencer co., Ind hist. 977.231
Ky " 976.9455
Spenser, Edmund
English poetry 821.31
Sperguleae botany 583.1543
Sperm
cells, devel. of biol. 574.171
bot. 581.171
zool. 591.171
embryology 611.01311
physiology 612.616
Spermatic
artery anatomy 611.1368
cord " 611.639
pathology 616.68
plexus anatomy 611.8393
secretions botany 581.146
zoology 591.146
vein anatomy 611.1466
Spermatochnaceae botany 589.457
Spermatogenesis embryol. 611.01312
botany 581.322
Spermatophyta " 582
Spermatorrhea pathology 616.69
Spermatozoa physiology 612.6162
Spermatozoids
vegetable embryology 581.3266
Speroni degli Alvarotti
Sperone Italian drama 852.41
Speusippus philosophy 184.2
Sphacelariales botany 589.456
Sphaerellaceae " 589.47534
Sphaeriaceales " 589.2351
Sphaerioideaceae " 589.242
Sphaerobolaceae " 589.2219
Sphaerocarpoideae " 588.312
Sphaerococcaceae " 589.413
Sphaerophoraceae " 589.173
Sphaeropleaceae " 589.4732
Sphaeropsidales " 589.242
Sphagnales " 588.1
Sphenoid bone anatomy 611.7152
Sphenopalatin
arteries anatomy 611.133281
ganglion " 611.89154
Sphenophyllales botany 587.24
paleobot. 561.724
Sphenopterides botany 585.979
paleobot. 561.5979
Sphere
form, strength of eng. 620.11284
Spheres
geometric perspective 515.65
of influence
colonization 325.312
political science 321.027
Spheric
coordinates astronomy 522.71
excess geodesy 526.41
perspective drawing 742.3
projections
descr. geometry 515.5
trigonometry 514.6
in geod. computation 526.44
Spheroconics geometry 513.58
analytic 516.58
Spheroid, equilibrium of
rotating geodesy 526.12
Spheroidal trigonometry in
geodetic computation 526.45
Sphincter, palpebral anat. 611.7325
Sphingina entomology 595.788
Sphinx
Egyptian mythology 299.31
moth (Sphingina) entomol. 595.788
see also Tomato worm
Sphygmograph diagnosis 616.0751
Sphygmomanometry
physiology 612.141
Spice islands history 991.3
Spices adulterations 614.314
chem. technology 664.5
field crops 633.83
Spider crabs
(Brachyura) zoology 595.3842
(Pantopoda) " 595.315
Spiders (Araneida) " 595.44
Spiderwort botany 584.38
Spiegelschaf (Bovidae)
domestic animals 636.3331
Spielhagen, Friedrich
German fiction 833.84
Spies law of war 341.3
military science 355.34
Spike-rush (Cyperaceae)
botany 584.841

Spikes railway eng. 625.15
Spillways landscape art 714.5
Spina bifida surgery 617.32
Spinach
(Chenopodiaceae)
garden crops 635.41
French (Chenopodiaceae-Atriplex) garden crops 635.43
New Zealand (Aizoaceae)
garden crops 635.4
Spinal
canal anatomy 611.828
column " 611.711
cord
action on blood vessels
physiology 612.1813
anatomy 611.82
psychology 131.12
and respiration
physiology 612.283
centrifugal conduction
psychometry 152.83552
centripetal conduction
psychometry 152.83533
pathology 616.83–.84
physiology 612.83
psychophysiology 131.23
irritation pathology 616.844
nerves
anatomy 611.832
ganglions of anatomy 611.892
physiology 612.81994
poisons toxicology 615.97
veins anatomy 611.1457
Spinalis dorsi " 611.7315
Spindle
files office fittings 651.4658
tree (Celastraceae) bot. 583.272
Spindles
neolithic archeology 571.26
steering motor vehicles 629.24784
Spine pathology 616.73
Spines leaf morphology 581.4976
Spinet music 786.221
Spinning
fishing sport 799.14
machines textile equip. 677.02852
mills " **mfg** 677.1–.4
products " " 677.02861
textile process 677.02822
see also special fibers
Spino-
costal muscles anatomy 611.7312
dorsal " " 611.7313
humeral " " 611.7311
Spinoza philosophy 199.492
Spinsters demography 312.5
ethics 176.2
Spiraeoideae (Rosaceae)
botany 583.37
Spiral ganglion anatomy 611.89181
gears mech. eng. 621.8333
geometry, Cartesian 516.26
Spire lights roof constr'n 721.556
Spirelets " " 721.574
Spiremes veget. cytology 581.87325
Spires archi. design 729.3572
roof constr'n 721.572
Spiridentaceae botany 588.21412
Spirillaceae " 589.953
Spirit
doctrinal theology 233.5
Holy, *see* Holy Ghost
lamps phot. lighting 771.4435
incandescent 771.446
leveling geodesy 526.36
levels photography 771.37
photography fine arts 778.8
vapor lights phot. 771.446
Spiritism comp. religion 291.211
psychology 133.9
Spiritistic
messages psychology 133.93
theories " 133.901
Spirits
communication with spiritism 133.9
comparative religion 291.21
evil comp. religion 291.216
doc. theology 235
materialization of spiritism 133.923
occultism 133.1
Spiritual heredity
psychology 136.33
Spiritualism ontology 111
philos. syst. 141
psychology 130.1633
Spiritualists sect. hist. 289.9
Spirituals, negro music 784.756
Spirituous liquors, *see* Alcoholic beverages
Spirographs photography 778.56
Spirogyraceae botany 589.612
Spiroscopes photography 778.56
Spitting, *see* Expectorants, etc.
Spittle-insects (Cercopidae)
entomology 595.7533
Spitzbergen islands hist. 998
Spitzka, tract of anatomy 611.8255

Splachnidiaceae botany 589.455
Splachnineae " 588.21441
Splanchnopleure embryol. 611.01365
Splash guards mot. veh. 629.2673
Splayed arches or vaults
arched construction 721.455
Spleen anatomy 611.41
pathology 616.41
physiology 612.41
Spleenwort (Polypodiaceae)
botany 587.3127
Splenic
artery anatomy 611.13642
fever, *see* Anthrax
lymph glands anatomy 611.46522
plexus " 611.8393
vein " 611.1494
Splenius " 611.7314
Splenotomy physiology 612.412
surgery 617.44
Splice grafting agric. 631.54132
Splints fiber crops 633.588
surgery 617.92
Spoil 5 card games 795.4
Spoils
syst. civil service 351.6
introduced US hist. 973.56
Spokane
county, Wash history 979.737
Indian reservation, Wash
history 979.723
Spoken adver. business 659.14
Spondias
cythera (Anacardiaceae)
fruitculture 634.442
purpurea (Anacardiaceae)
fruitculture 634.443
Sponge cups
office fittings 651.4659
Sponges
office supplies 651.4669
(Porifera) fishery 639.7
vegetable (Cucurbitaceae)
garden crops 635.627
Spongia paleozoology 563.4
zoology 593.4
Spongy bone histology 611.01843
Spontaneity metaphysics 127
Spontaneous
combustion thermochem. 541.36
generation biology 576.1
botany 581.161
physiology 612.601
zoology 591.161
Spooling textile process 677.02822
see also special fibers
Spools, film photography 771.33
Spoonbill (Herodiones)
ornithology 598.34
Spoonworm (Gephyrea)
zoology 595.174
Sporangia
projection
plant movements 581.18262
vegetable embryology 581.3244
Spore
mother cells
vegetable embryology 581.3245
plants (Cryptogamia) bot. 586
projections, autonomic
botany 581.1856
sacs veget. embryol. 581.324
sowing agriculture 631.5317
Spores veget. embryology 581.3254
Sporochnaceae botany 589.457
Sporogenesis " 581.32
Sporogonia veget. embryol. 581.3244
Sporophyls " morphol. 581.4624
Sporting subj. paintings 758.3
Sports
aircraft service in 629.1387
and crime sociology 364.255
animal recreation 791.8
aquatic 797
department journalism 070.446
in prisons sociology 365.665
inheritance of biology 575.124
outdoor
and athletic 796
grounds lands. art 712.547
structures archi. 725.827
lands. art 717.687
parlor recreation 793
public entertainments 791.7
students' school hyg. 371.73–.75
Sportsmen 796.069
biography 927.96
Spot fungi (Sphaeropsidales) botany 589.242
Spotsylvania
county, Va history 975.5365
Court House, Va
US Civil war 973.7367
Spotted
fever pathology 616.925
race cattle (Bovidae)
domestic animals 636.2374
Spotting phot. prints 770.2843

Sprague, Charles
American poetry 811.28
Sprains surgery 617.17
Spraying agric. prot'n 632.94
lithography 763.4
Spreaders
hay- agriculture 631.3531
of fertilizer & seed
farming 631.334
manure farming 631.3336
radio antennas 621.38413584
textile equip. 677.02852
Spreading textile process 677.02822
see also specific fibers
Spreads
advertizing layout 659.1324
stock & commodity
trading 332.64
Spring
birth rate demography 312.1
folklore **398.3321**
houses architecture 728.995
movements clockwork 681.1121
recuperators gun mounts 623.43571
tides astronomy 525.63
tires motor vehicles 629.24868
Springboard athletics 796.43
Springfield
Ill history 977.356
Mo " 977.8781
NJ, battle Amer. revol. 973.3365
O history 977.1491
Plateau, Ark history **976.712**
Springs
arch construction 721.428
bearing railway eng. 625.21
clockwork 681.1124
door & window constr'n 721.892
hot geology 551.23
therapeutics 615.67
mechanical engineering 621.82
mineral, *see*
Mineral waters
mot. veh. chassis **629.243**
physiography 551.49
strength of engineering 620.11285
water supply 628.11
Springtails (Poduridae)
agricultural pests 632.713
Spring-tooth harrow
farming 631.3133
Springview Table, Neb
description 917.82725
Springy wing ribs aircraft 629.13516
Sprinkling
of streets engineering 628.46
public parks 712.515
Sprinting athletics 796.42
Sprites folklore 398.4
Sprout methods
forest cutting 634.9526–7
Sprouting physiology 612.6041
Sprouts, Brussels (Brassicaceae) garden crops 635.36
Spruce
gum forest products 634.98692
(Pinaceae) forestry 634.9752
Spud farm tools 631.3111
Spudding bit " " 631.3113
Spumariaceae botany 589.2932
Spun
products textile mfg 677.02861
see also specific fibers
silk industry **677.44**
Spur gears mech. eng. 621.8331
Spurge (Tricoccae) bot. 583.951
Spurge-laurel (Thymelaeaceae) botany 583.9331
Spurwing goose (Anseres)
agriculture 636.59889
Spy
glasses manufactures 681.412
system prison admin. 365.645
Squabs poultry farming **636.59608235**
Squadron
air military science 358.4
military science 355.31
Squails games 796.21
Squalids (Elasmobranchii)
ichthyology 597.3
Squamariaceae botany 589.415
Square
domes arched constr'n 721.47
roofs archi. " 721.593
Squares
business city planning 711.74
city zoning 711.52
landscape art 712.524
least, *see* Least squares
magic arithmetic 511.61
residential city plan. 711.74
roots, etc., tables of
mathematics 510.83
traffic city planning 711.73
Squaring the circle
geometry 513.21
Squash
bug (Heteroptera)
agricultural pests 632.754

Squash (cont.)
(Cucurbitaceae)
garden crops 635.62
Guinea (Solanaceae)
garden crops 635.646
sports 796.34
Squatter sovereignty
and slavery US hist. 973.64
US constit. hist. 342.73
slavery 326.97366
Squaxin Island Indian reservation, Wash hist. 979.797
Squeegees photography 771.45
Squids (Octopoda) zool. 594.56
Squinch arches
architectural constr'n 721.426
Squint-eye, *see* Strabismus
Squints window constr'n
external 721.845
internal 721.855
Squirrels (Rodentia)
domestic animals 636.9
Staatenbund polit. sci. 321.022
Stability aerodynamics 629.13236
in plants bot. 581.1822
shipbuilding 623.81
Stabilization, monetary
financial economics 332.413
int'l fin. econ. 332.43
Stabilized dollar
financial economics 332.56
Stabilizers
film base phot. chem. 771.542
horizontal aircraft 629.13516
vertical " 629.13433
Stables
and pollution
public health 614.761
commercial architecture 725.388
farm economy 631.22
landscape art 717.65
municipal architecture 725.195
city plan. 711.661
private architecture **728.94**
zootechny 636.0831-2
Stachyoideae (Labiatae)
botany 583.891
Stachyuraceae botany 583.1392
Stack attendants
library economy 023.78
Stackers, hay- agriculture 631.3534
Stackhousiaceae botany 583.274
Stacking, hay- agric 631.553
Stacks
library building **022.43**
locomotive boilers 621.1334
steam boiler furnace **621.1838**
Stadhuis architecture 725.137
Stadia surveying 526.91
Stadiums architecture **725.827**
landscape art 717.686
school premises 371.61
Staël-Holstein, A L G
(Necker) French fiction 843.62
Staff
editorial journalism **070.4**
forest administration **634.92822**
general mil. sci. **355.35**
infantry " " 356.2
meetings library econ. 023.55
office " 651.449
military science **355.33**
office journalism 070.311
organiza. labor econ. 331.124
office " **651.373**
relations library " 023.55
rules economics 331.14
lib. economy **023.9**
office " **651.44**
teaching, organiza. of **371.147**
tree (Celastraceae) bot. 583.272
Stafford co., Eng. hist. 942.46
Kan " 978.181
Va " 975.526
Staffs music notation 781.24
shorthand 653.129
Stage
curtains, adver. on bus. 659.137
ethics 175.2
freedom of polit. sci. 323.446
houses architecture 725.317
recreation **792**
systems prisons 365.26
Stage-coach indoor games 793.4
Stages
cinematic phot. studios 771.295
commerce 388.3
transport business 656
Staging, dramatic theater 792
Stagnelius, E J
Swedish poetry 839.7164
Stain removers phot. chem. 771.546
Stained glass
design architecture **729.8**
ecclesiology 247.4
fine arts 748.5

Stained glass (cont.)
library buildings 022.348
school " 371.636
Staining
chemic technology 667.6
substances
physiologic chemistry 612.0154
Stains phot. negatives 770.2852
Stair
furnishing dom. econ. 645.61
turrets architecture 725.977
Stairbuilding archi. 729.39
carpentry 694.8
stereotomy 515.83
Stairs
architectural design 729.391
plans 729.25
carved archi. dec. 729.5951
moving mech. eng. 621.8676
painted archi. dec. 729.4951
Stakes plant support 631.3452
training 631.5461
Stalactites and stalagmites
geology 551.92
Stalimene history 949.91
Stalk cutter farming 631.3166
Stalls seats archi. 729.935
shops " 725.213
zootechny 636.0831-2
Stambas archi. constr'n 721.373
Stambul history 949.61
see also Constantinople
Stamens floral anatomy 581.463252
Stammerers education 371.927
Stammering medicine 616.87
psychology 158.83
Stamp
act, 1765 Amer. revol. 973.3111
collecting philately 383.22
duties pub. finance 336.272
money fin. economics 332.53
Stamped leather
building industry 698.8
Stamping
books, etc. lib. econ. 025.252
engines ore dressing 622.73
machines
hydraulic mech. eng. 621.266
manufactures 681.6261
office equipment 651.266
metal arts 739.14
numismatics 737.44
printing 655.35
sculpture 731.44
shop engineering works 621.792
Stamps
butter- dairy apparatus 637.2328
carving 736.3
electric engineering 621.318
postage engraving 768.8
postal service 383.2
rubber office fittings 651.4653
Stand
contents, determining
forestry 634.92852
growth
forest mensuration 634.92853
Standard clock system
electric horology 681.116
Standardization
of musicians fine arts 780.0754
schools education 379.15
radio engineering 621.38417
shop management 658.516
weights & measures 389.6
Standards
floral anatomy 581.4632432
metallic money 332.42
military science 355.15
moral, *see* Morals
multiple money 332.56
of admission schools 371.21
elec. measurements
engineering 621.372
excellence zootechny 636.08114
living
and crime sociology 364.26
laboring classes 331.83
polit. economy 339.42
time chronology 529.75
teachers' education 371.134
Standerton history 968.23
Standing army
military organization 355.351
Standpipes waterworks 628.12
Stanford intelligence tests
psychology 151.22222
Stanhope, P D
English letters 826.52
Stanislau Eur. w., 1915 940.4253
1916 940.4275
1917 940.4325
Stanislaus co., Calif.
history 979.457
Stanley Falls history 967.55
Pool " 967.51
Stanleyville " 967.55
Stanly co., NC " 975.673
Stannotypes photography 777.5

Stanstead co., Que hist. 971.467
Stanton co., Kan " 978.171
Neb " 978.2535
Stanwix, Fort
American revolution 973.3334
Stanzoni landscape art 717.684
Stapedius muscle anatomy 611.857
Stapes anatomy of ear 611.857
Staphyleaceae botany 583.277
Star
altitudes & latitude finding
astronomy 525.44
apple (Sapotaceae)
fruitculture 634.433
catalogs astronomy 523.89
collections 524.8
chamber, court of
English law 347.99
clusters astronomy 523.85
connections
electric transmission 621.3191333
drift astronomy 523.83
fish (Asteroidea) zool. 593.92
gooseberry (Euphorbiaceae)
fruitculture 634.666
physics astronomy 523.8
shells ordnance 623.45446
vaulting arched constr'n 721.456
worship comp. religion 291.2127
Starch
adulterations 614.312
and gastric digestion
physiology 612.3221
nutrition physiol.
of carbohydrates 612.396111
foods 612.39273
pancreatic digestion
physiology 612.3421
as food dom. economy 641.13
grain process phot. 778.66
laundry business 648.18
painting medium 751.242
pharmaceutics 615.331
plants field crops 633.68
products chemic tech. 664.2
protective therap. 615.776
silver process phot. 772.13
Starching laundry bus. 648.25
Starchy reserves
physiologic botany 581.133853
Starflower (Loasaceae)
botany 583.453
Stark co., Ill history 977.351
O " 977.162
Starke co., Ind " 977.292
Starkenburg goat (Bovidae)
domestic animals 636.393
Star-of-Bethlehem
(Liliaceae) botany 584.32
(Primulaceae) " 583.672
(Rubiaceae) " 583.52
Stars
astronomy 523.8
color of astron. 523.82
double " 523.84
falling divination 133.334
physical constitution of
astronomy 523.86
variable astronomy 523.84
Starters mot. veh. engine 629.257
Starting syst. aircraft 629.13438
Starvation hygiene 613.24
pathology 616.39
Starworts
(Alsineae) botany 583.1542
water (Callitrichaceae)
botany 583.253
Stasimorphy botany 581.227
State
aid to education 379.12
[1] **and adult education 374.9**
church, *see*
Church and state
education 379
emigration 325.215
family polit. sci. 323.45
immigration 325.15
individual
ethics 172.1
polit. sci. 323.4
libraries 021.8
monopoly production 338.82
[1] **nationalities 323.1**
production control
economics 338.91
social groups
polit. sci. 323.3
wages economics 331.26
banks, national 332.11
provincial 332.12
bldgs city planning 711.661
concept of polit. sci. 320.15
control of cities admin. 352.002
council French gov't 354.4405
German " 354.43072
debt public finance 336.343
see also Finance, public
democratic polit. sci. 321.4
[1] **dept foreign government 354**
US " 353.1

Topics in black face type are subdivided. Superior figures refer to the tables following this index

State (cont.)
dependent polit. sci. 321.025
domain colonies 325 315
land econ. 333.1
employes economics 331.795
entity polit. science 320.15
ethics 172
evolutionary theory of
political science 320.153
federal polit. science 321.021
[1] **finance polit. economy** 336
forest policy agric. 634.92524
forms, change of 321.09
early 321.1
polit. science 321
government of Florida 353.9759
Iowa 353.9777
Texas 353.9764
etc.
governments US admin. 353.9
growth & decline 320.159
houses architecture 725.11
ideal polit. science 321.07
industries pub. fin. 336.19
inspection apic. hygiene 638.1521
insur. labor economics 331.25
juridic theory of 320.151
labor, wages for econ. 331.262
laboratories public health 614.3072
law reports US jurispr. 345.42
laws, uniform polit. sci. 328.22
[1] **libraries** 027.5
mediated polit. sci. 321.026
medicine pub. health 614
mixed polit. sci. 321.02
monopolies pub. fin. 336.19
moral theory of 320.154
nature of polit. sci. 320.15
origin of " " 320.11
ownership of land 333.123–.124
planning civic arts 711.33
police administration 351.74
political science 320
theory of 320.152
powers conferring
degrees univ. & col. 378.21
properties finance 336.1
protected polit. sci. 321.027
religion theology 261.7
representation legis. 328.3341
reservations nat. lands. 719.32
rights US constit. law 342.73
roads city planning 711.71
savings banks fin. econ. 332.21
semisovereign 321.025

State (cont.)
simple polit. science 321.01
social theory of
political science 320.153
socialism polit. econ. 335.63
sovereign polit. sci. 321.01
subsidies production 338.91
supervision of schools
education 379.152
suzerain polit. science 321.023
symbolism " " 320.18
tolls transit duties 336.263
trials criminal law 343.1
[1] **univ. & col. educ.** 378
public 379.16
vassal polit. science 321.028
vs private insur. econ. 331.251
world polit. science 321.04
see also Provincial
Statecraft polit. sci. 320.2
Statements, catalogs &
lists, in specific fields
[2] see subject —0838
Staten Island, NY hist. 974.726
States
admission
and slavery US Civ.
war causes 973.7112
US constit. law 342.73
German government 354.4307
of the Church, *see*
Papal states
rights US Civil
war causes 973.7117
see also Nullification, Secession
States-general
Dutch legislation 328.492
1789 French history 944.041
French legislation 328.4409
Statesmanship polit. sci. 320.2
Statesmen 306.9
[1] **biography** 923.2
Static
electricity physics 537.2
eliminators radio 621.3841546
radio interference 621.3841541
sense physiology 612.886
psychology 152.6736
Statics, chemo- 541.39
forest finance 634.92843
physics 531.2
Station
areas landscape art 712.78
houses prison archi. 725.62
prisons 365.34

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Stationary waves on wires
radio engineering 621.384117
Stationery
letterheads advertizing 659.133
manufactures 676
military equipment 355.87
office economy 651.71
Stations
filling motor vehicles 629.286
police architecture 725.188
private, express charges
railways 385.132393
radio engineering 621.38416
railroad commerce 385.3
engineering 625.18
passenger
architecture 725.31
Statistical
data, collecting of
sociology 311.22
forms of presentation
sociology 311.26
machines office equip. 651.2646
meth. botanic research 580.7255
criminology 364.3018
psychol. tests 151.26
sociology 311.2
technic sociology 311.2
units " 311
Statistics
analysis of sociology 311.23
and insur. business 368.01
arrangement of sociology 311.211
[1] **church religion** 209
classification sociol. 311.24
correlation " 311.25
experimental psychol. 150.72535
library accession 025.211
of Asia 315
Boston, Mass 317.446
Mexico 317.2
etc.
office records 651.563
official sociology 311.3
preparation of " 311.2
sociology 310
tabulation sociology 311.24
testing " 311.23
unofficial " 311.4
verifying " 311.23
vital public health 614.1
in other specific fields
[2] see subject —00031
Statius, P P
Latin epic poetry 873.5
Statoscopes aircraft equip. 629.13514

Statuary
artistic furniture 749.76
city planning 711.68
domestic economy 645.5
landscape art 717.9
library decoration 022.349
miraculous doc. theol. 231.73
roof construction 721.563
sculpture 731.73
Statuettes ceramics 738.84
Stature demography 312.6
Status
professional teachers 371.15
public " 371.104
social " 371.105
Statutes
and cases English law 346
US " 345
digests of English law 346.3
US " 345.3
revised " " 345.2
[1] **universities & colleges** 378
in other specific fields
[2] see subject —00037
Staunton, Va history 975.5911
Staves music notation 781.24
shorthand 653.129
Stays locomotive boilers 621.1332
plant support 631.3452
training 631.5461
Stead's colorimeter
quantitative analysis 545.8
Steam
baths prac. chemistry 542.46
therapeutics 615.853
see also Turkish baths
boiler
accidents mech. eng. 621.1947
constr'n " " 621.1845
economy " " 621.18413
fuels " " 621.1822
houses " " 621.192
inspection " " 621.1947
plants " " 621.19
setting " " 621.18456
tests " "
construction 621.18413
operation 621.1947
boilers
and safety pub. health 614.837
cleaning of mech. eng. 621.18455
instantaneous " " 621.18427
insur. business 368.7
locomotive eng. 621.133
mech. eng. 621.18423
manage. of " " 621.194
marine " " 621.18422

Steam (cont.)
boilers (cont.)
mech. engineering 621.184
portable engines 621.153
mech. eng. 621.18423
rating of " " 621.1947
stationary " " 621.18424
traction engines 621.143
tubular mech. eng. 621.18425
tubulous " " 621.18426
collectors " " 621.18479
condensation of " " 621.1851
cookers kitchen equip. 643.337
cooking by dom. econ. 641.587
cooling mot. veh. engine 629.2564
distribution
locomotive engineering 621.1342
mechanical " 621.185
economy mech. " 621.101
engines
agricultural power 631.3715
condensing mech. eng. 621.11252
duration of " " 621.196
high pressure " " 621.11253
low " " " 621.11252
manage. of " " 621.195
mechanical engineering 621.1
motor vehicles 629.25122
noncondensing 621.11253
primitive 621.1121
reciprocating 621.112
rotary mech. eng. 621.166
thermology 536.81
wear of mech. eng. 621.196
exhaust, utilization of
mech. engineering 621.1858
fitting plumbing 696.3
friction of mech. eng. 621.1851
generation " " 621.18
heating
building industry 697.5
plants mech. eng. 621.19
jets mech. engineering 621.69
min'g ventilation 622.43
plow farming 631.3123
power plant
accessories
mech. eng. 621.197
electric eng. 621.312132
production
locomotive eng. 621.133
pumps engineering 621.64
mining 622.54

Steam (cont.)
rollers mech. eng. 621.145
shovels " " 621.865
portable 621.154
thermology 536.44
tractors agriculture 631.3721
transmission of
mech. engineering 621.185
transport logging 634.98253
turbines
marine mech. eng. 621.123
mech. engineering 621.165
motor vehicles 629.25123
Steaming cookery 641.75
textile process 677.02822
see also special fibers
Steamships shipbuilding 623.823
Steapsin
physiology of digestion 612.3423
Stearin org. chemistry 547.7
Stearns co., Minn hist. 977.647
duplex system
telegraphy 621.382322
Steatoses, hepatic
physiology 612.3541
Stecchetti, Lorenzo, *pseud.*
Italian poetry 851.87
Stedman, E C Amer. poetry 811.43
Steel
architectural constr'n 721.93
building industry 691.7
cloth textile mfg 677.53
coinage metals 332.418
columnar constr'n 721.35
engraving fine arts 762.1
manufactories archi. 725.434
metallurgy 669.1
mot. veh. material 629.23224
pens office economy 651.4663
products manufactures 672
ships shipbuilding 623.84
strength of engineering 620.17
work fine arts 739.4
works architecture 725.4321
engineering 621.7
Steele, Richard
English essays 824.53
Steele co., Minn hist 977.619
Steens Mts, Ore history 979.595
Steeplechase games 795.2
horsemanship 798.45
Steeplechaser horse (Equidae)
domestic animals 636.122
Steeples archi. design 729.3573
roof constr'n 721.573

Steering
apparatus aircraft 629.1351
mot. veh. 629.247
committee legislature 328.375
gear motor vehicles 629.2478
shipbuilding 623.85
surfaces aircraft 629.13433
Steers (Bovidae)
domestic animals 636.2
Steganopodes ornithology 598.43
Stege, H T Danish drama 839.81234
Stegnospermoidcae (Phytolaccaceae) botany 583.915
Steiermark, Ottokar von
German poetry 831.31
Stekel school psychoanal. 131.3465
Stellar, *see* Star, Stars
Stellenbosch history 968.718
Stelleridea zoology 593.93
Steloxylaceae botany 585.963
paleobot. 561.5963
Stem
action, circulatory
physiologic botany 581.1157
anatomy botany 581.4952
cuttings plant culture 631.5354
differentiation botany 581.49513
embryonic " 581.3325
forms, carved archi. 729.51
painted " 729.41
grafting agriculture 631.54143
morphology botany 581.495
origin " 581.49512
primary " 581.3345
suckers plant culture 631.5331
Stemonaceae botany 584.31
Stemonitaceae " 589.2932
Stems
aerial botany 581.49562
art anatomy 743.795
climbing botany 581.495622
edible **garden crops** 635.3
underground botany 581.49563
Stencil
decoration fine arts 747.94
processes color phot. 778.66
Stencils writing mediums 652
Stendhal, *pseud.* Fr. fict. 843.71
Steno, Nicolaus Dan. lit. 839.8183
Stenographers lib. econ. 025.152
office " 651.3743
see also Secretaries
Stenography, *see* Shorthand
Stenomyelaceae botany 585.953
paleobot. 561.5953
Stenopaic phot. fine arts 771.3192
Stenorhyncha entomology 595.7522
Stensen, Niels Dan. lit. 839.8183
Stenson's duct anatomy 611.3165
Step wedges
photographic sensitometry 771.5345
Stephaninoideae botany 588.311
Stephen English history 942.024
Stephens co., Ga " 975.813
Okla " 976.653
Stephenson co., Ill " 977.333
Stepladders library equip. 022.941
Stepney, London history 942.15
Steppes nat. landscape 719.234
Steps
landscape art 717.88
sidewalk city planning 711.74
Sterculiaceae botany 583.18
Stereochemistry science 541.6
Stereochromy fine arts 751.47
Stereognostic sense
physiology 612.88
psychology 152.673527
Stereometer gravity 531.54
Stereometry arithmetic 511.8
Stereophonic syst. radio 621.384151
Stereophotoduplicons
fine arts 778.42
Stereopticon
educational methods 371.33522
optics 535.86
Sunday schools 268.6352
photography 778.22
Stereoscopes optics 535.86
Stereoscopic
color processes phot. 778.65
moving pictures " 778.5341
projection 778.5541
photography f. arts 778.4
radiography photography 778.33
Stereoscopy physiology 612.843722
psychology 152.13722
Stereotestales botany 589.9723
Stereotomy descr. geom. 515.8
Stereotropism botany 581.18326
Stereotyping journalism 070.3223
printing 655.22
Sterility biology 575.134
demography 312.1
gynecology 618.17
pathology 616.69
plant breeding 631.522
zootechny 636.082454

Sterilization
agricultural soil 631.46
food preservation
chem. technology 664.8
dom. economy 641.48
of criminals sociol. 364.42
cultures botany 580.72542
milk physiology of nutrition 612.392841
see also Castration
Stern aircraft constr'n 629.13431
Sternal joints anatomy 611.723
Sterne, Laurence
English fiction 823.62
Sternoclavicular joint
anatomy 611.7271
Sternocleidomastoideus
anatomy 611.7331
Sternohyoideus anatomy 611.7332
Sternothyroideus " 611.7334
Sternoxia entomology 595.765
Sternum anatomy 611.713
Sternutatives physiology 612.219
therap. 615.726
Sterry process photography 772.15
Stethometry physiology 612.211
Stethoscope diagnosis 616.0754
Steuben co., Ind history 977.278
NY " 974.783
Steubenville, O " 977.1691
Stevens
county, Kan " 978.1725
Minn " 977.642
Wash " 979.723
Fort, DC, operations, 1864
US Civil war 973.7369
marine engine eng. 621.1221
Steward dom. economy 647.21
Stewart, Dugald philos. 192.6
Stewart co., Ga history 975.892
Tenn " 976.835
Stewing cookery 641.74
Steynsburg history 968.7665
Steytlerville " 968.7535
Sthen, H C Danish drama 839.81232
Stick-lac agriculture 638.3264
Stictaceae botany 589.171
Stictidaceae " 589.2335
Stiernhielm, Georg
Swedish poetry 839.7131
Sties and pollution
public health 614.762
Stiftschulen education 377.4
Stigma floral anatomy 581.463253
Stigmata
doctrinal theology 231.73
of crime sociology 364.242
religious asceticism 248
Stigonemataceae botany 589.83
Stijl, Simon Dutch lit. 839.3184
Stilbaceae botany 589.2411
Stiles
boundary lands. art 717.87
door construction 721.838
Still life fine arts 704.943
painting 758.4
Stillbirths demography 312.2
pathology 618.39
pub. health 614.131
Stilling, canal of anat. 611.8447
nuclei of " 611.8223
Stills prac. chemistry 542.48
Stillwater, NY, battle
American revolution 973.3333
Stilophoraceae botany 589.457
Stilted arches
architectural constr'n 721.427
Stilton cheese
dairy industry 637.3542
Stilts
athletics 796.42
concrete
foundations archi. 721.166
(Limicolae) ornithology 598.33
manufactures 685.37
Stimulants
and nervous syst. hyg. 613.8
nutrition physiol. 612.393
botanic chemistry 581.1927
of heart therapeutics 615.711
nerves " 615.78
temperance 178
Stimulation
electro-physiology 612.01442
methods office economy 651.453
nervous
physiology of brain 612.8211
psychophysiology 131.215
thermic & chemic phenomena of physiology 612.814
of effort office econ. 651.45
Stimulators psychometry 152.8324
Stimuli
constant, method
psychophysics 152.82333
cultural sociology 301.15
plant movements 581.1831

Stimulus threshold
psychophysics 152.8252
Stinginess
ethics 179.8
wealth consumption 339.44
Stings
bees' self-protection 638.12157
protective anim. ecol. 591.57
Stink-bug (Heteroptera)
entomology 595.754
Stinkhorn fungi
(Phallineae) botany 589.2215
Stipa tenacissima (Agrostideae) cordage mfg 677.71
fiber crops 633.583
textile mfg 677.542
Stipple engraving f. arts 765.5
Stippling lithography 763.4
Stipules leaf anatomy 581.49726
Stirling history 941.36
Stirpiculture, racial
hygiene 613.94
Stirrup anatomy of ear 611.857
Stitch tapestry mfg 677.64
Stitchworts (Alsineae) bot. 583.1542
Stizolobium utilis
(Fabaceae) field crops 633.363
Stoat (Mustelinae) mammal. 599.744472
Stock
brokers financial econ. 332.62
care of office " 651.464
certificates engraving 768.8
colony zootechny 636.082
companies
business management 658.1144
joint commercial law 347.7
control apiculture 638.145
cutting printing 655.32
dividends fin. manage. 658.156
exchange
banks fin. econ. 332.317
operations " " 332.64
exchanges architecture 725.252
fin. econ. 332.61
farm catalogs zootech. 636.08187
farms agriculture 631.145
zootechny 636.0813
formation apiculture 638.1122
zootechny 636.082
jobbing fin. econ. 332.64
live agriculture 636
ownership, employes'
economics 331.17
quotations fin. econ. 332.61
Stock (cont.)
raising zootechny 636.08
rooms indus. storage 658.784
office economy 651.464
savings banks fin. econ. 332.24
selection
apiculture 638.1121
dairy industry 637.121
plant grafting 631.5411
zootechny 636.0811
storage, temporary
forest nursery 634.95648
taking, *see* Inventory
tickers telegraphy 621.38251
valuation of growing
forestry 634.928426
watering business fin. 658.146
Stockenstrom history 968.7615
Stockholm " 948.7
Stocking rivers fisheries 639.31
Stockings costume 391.4
domestic econ. 646.42
manufactures 687.3
Stocks
and bonds fin. econ. 332.63
business finance 658.147
Stockton, Calif. hist. 979.456
Stockwerks geol., econ. 553.17
Stockyards architecture 725.27
Stoddard, R H Amer. poet. 811.41
co., Mo hist. 977.895
Stoichiometry chemistry 541.9
Stoics philosophy 188
Stoke, Melis Dutch poet. 839.31114
Newington, London
history 942.14
Stokers, mechanical
steam boiler furnaces 621.1836
Stokes co., NC history 975.664
Stole practical religion 247.7
Stolley state park, Neb
description 917.8241
Stolons plant culture 631.5332
Stomach
admin. of med. by therap. 615.61
anatomy 611.33
bacteriol. of physiol. 612.3263
evacuation of 612.3273
irritability
muscular physiology 612.3271
morphology " 612.325
movements " 612.327
pathology 616.33
physiology 612.32

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Stomach (cont.)
removal of physiology 612.3235
sensations
physiology of
internal touch 612.88
psychology 152.673932
sensibility physiology 612.3288
Stomapoda zoology 595.382
Stomata veget. morphol. 581.4212
Stone
age archeology 571.1–.2
man, psychol. of 136.411–.412
and iron structures
archi. constr'n 721.96
wood sculpture
fine arts 731.27
artificial
ceramics 738.6
chemic technology 666.8
columnar construction 721.33
roofs archi. " 721.52
sculpture fine arts 731.24
strength of eng. 620.139
structures
archi. constr'n 721.975
surfaces
painting, art 751.223
works architecture 725.488
brood bee diseases 638.1544
carving sculpture 736.5
ceilings archi. constr'n 721.72
columnar construction 721.32
construction masonry 693.1
county, Ark history 976.728
Miss. " 976.216
Mo " 977.8794
cutting masonry 693.12
sculpture 731.46
stereotomy 515.81
floors archi. constr'n 721.62
foundations archi. 721.1332
fruits (Rosaceae) agric. 634.2
gatherer farm tools 631.3117
Hills, Neb history 978.295
houses, rural archi. 728.62
urban " 728.37
Mt Confederate memorial
Georgia description 917.58225
Mts, Tenn description 917.6899
pavements engineering 625.8
philosopher's alchemy 540.1
quarries archeology 571.21
remains
neolithic archeol. 571.24
paleolithic " 571.14

Stor e (cont.)
River, Tenn, battle
US Civil war 973.7337
roads engineering 625.86
sculpture fine arts 731.23
strength of eng. 620.132
surfaces painting, art 751.223
walls archi. constr'n 721.22–.23
Stone-boats
agricultural transport 631.3733
Stonecrops
(Crassulaceae) botany 583.39
Stone-fly (Perlidae)
entomology 595.735
Stonehenge Eng. antiq. 913.4231
Stones
building geol., econ. 553.5
industry 691.2–.3
hollowed archeology 571.27
lithographic engr. 763.22
ornamental ceramics 738.53
mining 622.38
perforated archeology 571.26
physiology & pathology
see Calculi
precious
see Precious stones
sharpened archeology 571.25
Stoneware ceramics 738.33
chemic tech. 666.6
Stoneworts (Charophyta) bot. 588.4
Stonington, Conn
bombardment, 1814
US history 973.5236
Stony
Hills, Okla descr. 917.6631
Point, NY Amer. revol. 973.3354
Stool
layering plant culture 631.5343
pigeon prisons 365.645
Stools archi. constr'n 721.862
domestic economy 645.41
office equipment 651.231
Stoops archi. constr'n 721.867
design 729.3867
city planning 711.725
Stop watches manufactures 681.1181
psychometry 152.8322
Stoping mining 622.27
Stoppage of wages
disciplinary
library economy 023.9
office " 651.4483
economics 331.212

Stopper (Myrtaceae) bot. 583.42
Stoppers practical chem. 542.25
Stopping-
down photography 770.282
out photographic prints 770.2843
Stoppings
mining ventilation 622.45
Stops
door & window constr'n 721.892
photographic diaphragms 771.354
Storage
and shelving lib. bldgs 022.4
batteries
see Accumulators, Batteries
buildings architecture 725.35
charges, express
railways 385.132391
cheese industry 637.3352
cold, *see* Cold storage
facilities
engineering works 621.796
industrial archi. 658.235
manage. 658.78
house bus. dom. econ. 648.8
methods office files 651.54
motor vehicle mfg 629.2348
of noxious & offensive materials and pollution
public health 614.75
records indus. manage. 658.783
regions leaf anatomy 581.4973
root " 581.4983
stem " 581.4953
rooms domestic econ. 643.37
indus. manage. 658.785
Storax (Styracaceae) bot. 583.6861
Stordito Intronato, *pseud.*
Italian essays 854.42
Store
and apt. bldgs archi. 725.22
office " " 725.22
demonstrations adver. 659.153
displays " 659.157
orders, payment by econ. 331.23
ships shipbuilding 623.826
signs advertizing 659.157
Storehouses mil. estab. 355.75
Stores
architecture 725.21
care of domestic econ. 647.9621
city planning 711.662
Stores (cont.)
cooperative
labor economics 331.832
political economy 334.5
department bus. manage. 658.871
music 780.65
naval forest products 634.9862
retail bus. manage. 658.87
wholesale " " 658.86
Stories, *see* Fiction, Story telling, Tales
Storing crops agric. 631.563
indus. manage. 658.78
Stork (Herodiones)
ornithology 598.34
Storksbill
(Geraniaceae) botany 583.223
Storm, Edvard Dan. poet. 839.81154
Storm
doors archi. constr'n 721.835
windows " " 721.845
Stormont co., Ont hist. 971.376
Storms
aeronautics 629.13245
effects of veget. ecol. 581.5425
electric magnetism 538.7
influence
radio transmission 621.38411555
meteorology 551.55
Story, Isaac Amer. wit 817.21
co., Ia history 977.7546
telling
children's lib. 027.62515
kindergarten meth. 372.214
writing rhetoric 808.3
Stoups architecture 729.913
Stove factories archi. 725.434
Stoves
building industry 697.2
ceramic fine arts 738.82
cooperative poor relief 362.54
fine arts 749.62
kitchen equipment 643.33
Stowe, Mrs H E (Beecher)
American fiction 813.37
Strabismus
ophthalmology 617.76
physiology 612.8468
psychology 152.168
school hygiene 371.72
Straddles
stock & commodity trading 332.64
Strafford co., NH hist. 974.25

Straight
arches archi. constr'n 721.421
vaults arched " 721.451
Straightedges
office fittings 651.4654
Straightening tools
mechanical engineering 621.983
Strain
effects of pathology 616.983
mental effect on
mental health psychol. 131.336
sensations
physiology 612.885
psychology 152.673523
Strainers, metal
textile manufactures 677.53
Straining arches
architectural constr'n 721.426
Strains bridge eng. **624.17**
railroad tracks 625.14
zootechny 636.08211
Strait-jacket
prison punishments 365.644
Strand formations
vegetable ecology 581.526535
Strasbourg history 943.445
Strasburgeriaceae bot. 583.1664
Strategy, mil. Eur. w. **940.401**
science 355.43
Strathgryfe history 941.41
Stratification geology 551.81
Stratigraphic " **551.7**
Strato philosopher 185.4
Stratum lemnisci anat. 611.8184
Straw
fiber crops 633.584
forage " **633.2–.3**
in clothing dom. econ. 646.185
textile manufactures 677.541
zootechnic food **636.08625**
Strawberries (Rosaceae)
fruitculture **634.75**
Strawberry
Mountain, Ore descr. 917.9578
shrub (Calycanthaceae)
botany 583.113
tomato (Solanaceae)
garden crops 635.647
tree (Ericaceae)
fruitculture 634.667
Strays radio interference 621.3841541
Stream pollution
industrial sanitation 628.541
Streamers, adver. on bus. 659.137
Streaming
cytoplasmic botany 581.1862
Streamlined architecture **724.91**
Streams
forest effects on agric. 634.9224
irrigation 631.71
landscape art 714.24
Streator, Ill history 977.327
Street
accessories city plan. 711.68
area vs block area
city planning 711.721
brokers fin. econ. 332.62
cleaning san. eng. 628.46
cries folklore 398.8
exchanges fin. econ. 332.61
fighting mil. sci. 355.426
lighting fixtures
city planning 711.68
lights photography 771.4491
name plates city plan. 711.727
organ manufactures 681.821
music 789.7
planting lands. art 715.1753
railways
business 656
city planning 711.752
engineering 625.6
local transit 388.4
stations archi. 725.317
vs railways railroads 385.123
see also Trolley lines
signs advertizing 659.134
city planning 711.68
stands " " 711.669
traffic & railway
structures city plan. 711.751
Streetcar
factories architecture 725.454
Streetcars
electric traction 621.3343
Streets
city planning **711.7**
hygiene 614.781
covered city planning 711.725
local " " 711.74
government 352.7
1-way city planning 711.73
road engineering **625.7**
see also Highways, Roads
Strelitzioideae
(Musaceae) botany 584.214
Strength
of materials eng. 620.11
physics 539.4
shipbuilding 623.81

Strepsiptera entomology 595.746
Stresses
aircraft construction 629.1341
and materials eng. 620.11
bridge engineering 624.17
repeated, tests
engineering materials 620.11246
Stria terminalis anat. 611.81325
Striae acusticae " 611.81778
Striariaceae botany 589.457
Striatum anatomy 611.8132
physiology 612.8261
Stricker, Der, 13th cent.
German wit 837.21
Stricture, rectal pathol. 616.35
Strigidae ornithology 598.97
Strigulaceae botany 589.16
Strike
benefits
employers' economics 331.897
workmen's " 331.892
geology 551.85
Strikebreaking
labor economics 331.896
Strikes
and crime sociology 364.26
industrial disputes 331.892
newspaper journalism 070.318
Striking
devices clockwork 681.1123
numismatics 737.44
Strindberg, J A
Swedish drama 839.726
String
bean (Fabaceae)
garden crops 635.652
courses wall constr'n 721.25
Stringed
instruments
music 787
semi-automatic mfg 681.832
Strings for
musical instr. mfg 677.74
Strinnholm, A. M
Swedish literature 839.7862
Strip
cutting silviculture 634.95222
planting lands. art 715.1753
Strippers for maize
agriculture 631.3554
Stripping
enlarging by phot. 778.13
films
for photography 771.527
photography 770.2853
Stripping (cont.)
photomechanics 774.6
solutions phot. chem. 771.549
Strips office records 651.5138
Strobilation
vegetable generation 581.16522
Strobilophyta botany 585.2
Stroboscopes photography 778.52
Stroma anatomy 611.6511
Strongholds city plan. 711.414
Strontium chemistry 546.42
Strophe English prosody 426.7
other language —67
Strowger syst. telephony 621.38576
Structural
drawings, mech. f. arts 744.42
formulas, chemic
see Chemic formulas
shapes, strength of eng. 620.11282
Structuralism psychology 150.192
Structure
and environment
vegetable ecology 581.5225
living biology 577.214
Structures
composite
architectural constr'n 721.94
iron archi. constr'n 721.9
landscape 717
mechanics of eng. 624
types of city plan. 711.66
Struggles, political
internal relations 323.2
Struthionidae ornithol. 598.51
Struts aircraft supports 629.134328
Struve's apparatus geod. 526.22
Strychnia toxicology 615.97
Strychnin excitants 615.785
Stuart furniture f. arts 749.222
Mt, Wash descr. 917.9759
Stuarts
English history 942.06
Irish " 941.56
rebellion
1717 English history 942.071
1745 " " 942.072
Scotch history 941.04
Stub
Ambrosius Dan. poet. 839.81145
terminals railways 385.37
Toe state (Wyo) hist. 978.7
Stubble cutter agric. 631.3552
Stubbornness ethics 179.8
Stucco
building industry 691.5

Stucco (cont.)
houses, rural archi. 728.64
urban " 728.37
Stuccowork masonry 693.61–.62
Stud books zootechny 636.0822
Student
activities
extracurricular educ. 371.8
advisers education 371.42
aid soc. univ. & col. 378.362
assemblies educ. meth. 371.3322
school life 371.892
assistants lib. staff 023.75
celebrations
re-unions, etc. educ. 371.89
connection, end of
schools 371.291
council school admin. 371.59
employment education 371.226
univ. & col. 378.365
endowments
school tuition 371.222
university & college
scholarships 378.34
ethics education 371.81
guidance " 371.42
handbooks school admin. 371.2
honor education 371.81
houses school life 371.87
income & expenses
education 371.226
university & college 378.36
life & customs educ. 371.8
load curriculum 375.006
mortality education 371.2913
participation in
school management 371.593
periodicals education 371.805
personnel work educ. 371.422
rights education 371.101
scholarships
school tuition 371.222
self government
school administration 371.592
slang education 371.80144
univ. & col. 378.0144
societies & clubs
education 371.83
in China 371.83952
Germany 371.83943
US 371.83973
etc.

Student (cont.)
society
premises school life 371.86
publications
[1] **university & college 378**
songs music 784.62
teacher plan
educational systems 371.41
Students
age of education 379.14
and school lib. " 371.641
[1] **biography 923.7**
competency
educ. measurements 371.26
conduct
school discipline 371.5
discharge of
school discipline 371.56
differences, provision for
school classes 371.25
dropping out schools 371.2913
exchange of
schools 371.391
university & college 378.3
library work with
library economy 027.7–.8
morale education 371.5
punishment of
school discipline 371.54
rating of schools 371.26
relations with libraries 021.32
sports school hygiene 371.73–.75
suffrage 324.164
limitations 324.178
transfer of schools 371.29
transport of
public schools 379.1752
YMCA work with 267.361
Studies
coordination of
curriculum 375.006
mandatory curriculum 375.002
optional " 375.004
order of " 375.001
relative value of
curriculum 375.007
Studio cameras phot. 771.312
lighting " 771.22
Studios
art architecture 727.79
fine arts 707.2
cinematic photography 771.125
drafting mech. drawing 744.2

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Studios (cont.)
photographic
fine arts 771.12
portable fine arts 771.25
Study
abroad int'l schools 371.391
associated self-educ. **374.2**
clubs
library functions 021.41
museum economy 069.15
self-education 374.21
course of curriculum **375**
effect on eyes
school hygiene 371.72
graduate univ. & col. 378.1553
hall management
school discipline **371.5**
home, societies for
self-education 374.43
methods
schools **371.3**
Sunday schools **268.6**
in specific fields
[2] see subject —07
room furnishing
domestic economy 645.64
rooms
library buildings 022.52
school architecture 727.1
buildings 371.621
self-culture **374**
solitary self-educ. **374.1**
subj. of curriculum **375.01–.9**
theoretic & experimental
viewpoint in specific
[2] fields see subject —001
in specific fields
[2] see subject —07
Study-work plan
educational system 371.42
Stuffed gloves mfg 685.433
Stuffing fibers
field crops 633.59
Stump
drawing fine arts 741.22
extractor farm tools 631.3117
Stumpage forestry 634.928427
Stumpf tonal theory
music 781.1
physiology 612.85874413
psychology 152.2874413
Stump-jumper farming 631.3127
Stunting avigation 629.13252
Stunts advertizing 659.154
Stupas mortuary archi. 726.86
Stupidity childstudy 136.7622
psychology **132.2**
Stupor, manic medicine 616.89562
psychology 132.19562
Stuporous insanity
medicine 616.8955
psychology 132.1955
Sturgeons (Acipenseridae)
ichthyology 597.44
Stutterers, education of 371.927
Stutterheim history 968.7775
Stuttering medicine 616.87
psychology 158.83
Stuttgart history 943.47
Styl, Simon Dutch lit. 839.3184
Style
business English
office economy 651.74
fine arts 701.16
floral anatomy 581.463253
in bus. indus. manage. 659
journalistic
newspapers 070.41
rhetoric 808.4
literary rhetoric **808**
Styles
architectural **722–724**
battle of the archi. 724.4
cemetery lands. art 718.4
design 745.44
garden lands. art 712.6242
interior decoration **747.2**
landscape design 712.22
plantations 715.141
of dress
customs & manners **390**
domestic economy 646.01
period furniture **749.2**
sculpture 731.52
Stylewort
(Stylidiaceae) botany 583.571
Stylobates
columnar construction 721.38
Stylohyoideus anat. 611.7344
Stylopharyngeus " 611.73278
Styracaceae botany 583.6861
Styria history 943.65
Styrian
fowls (Gallinae) agric. 636.536
sheep (Bovidae) dom.anim. 636.3336
Suabia, etc., *see* Swabia, etc.
Subalpine regions
vegetable ecology 581.5244443

Subaqueous foundations
architecture 721.17
bridge engineering 624.157
Subarachnoid cisterns
anatomy 611.8194
Subarches archi. constr'n 721.427
Subclavian
arteries anatomy 611.134
glands " 611.4638
veins " 611.1454
Subclavius " 611.7353
Subconscious
mentation spiritism 133.90161
self hypnotism 134.0161
Subconsciousness
metaphysics 127
psychology 153.8
Subcontract labor wages 331.23
Subcostal arteries anat. 611.1354
Subcostales " 611.7357
Subcrureus " 611.738225
Subcutaneous
injections therap. 615.63
tissue anatomy 611.779
Subdivision of land econ. 333.38
Subdued waves radio 621.384111
Subiculum anatomy 611.81314
Subintestinal vein " 611.143
Subject
arrangement by
office files 651.531
letter file 651.673
libraries 026
Subjectivism philosophy 141
Subjectivity metaphysics 121
Subjects
curriculum 375.01–.9
formal curriculum 375.0071
fusion of " 375.006
Sublimation prac. chem. 542.48
psychoanalysis 131.34124
Subliminal self
hypnotism 134.0161
spiritism 133.90161
Sublimity esthetics 701.17
see also specific subject
Sublingual glands anat. 611.3161
Submarine
cables business 654.5
manufactures 677.73
telegraphy 621.3828
diving hydraulic eng. 627
photography fine arts 778.73
telegraph sociology 384.4
Submarine (cont.)
topography physiography 551.46
tunnels mining 622.26
warfare naval eng. 623.9
Submarines
antennas for radio 621.3841359
European war, 1914–19 940.4512
radio on engineering 621.38419137
shipbuilding 623.825
Submaxillary
ganglion anatomy 611.89156
glands " 611.3161
Submental glands " 611.462
Submerged self hypnotism 134.0161
Submission
religious emotion 291.12
Subnormal children
education 371.9
psychology 136.762
Suboccipital nerves anat. 611.8331
Subscapular arteries " 611.1341
Subscapularis " 611.73716
Subscription
[1] **libraries** 027.3
publications bookselling 655.57
Subscriptions
by employes library econ. 023.93
office " 651.443
newspaper distribution 070.331
income 070.35
Subservience journalism 070.15
Subsidence
industrial sanitation 628.543
of sewage san. eng. 628.33
Subsidiary coins
financial economics 332.419
Subsidies
government production 338.91
incentive to study
[2] see subject —079
maritime finance 387.5133
newspaper ethics 070.15
income 070.35
public finance 336.18
railway " 385.133
tariff 337.4
tax exemptions as 336.294
to pub. schools educ. 379.124
wages 331.22
waterways finance 386.133
Subsistence
cost of theory of wages 331.2154
dept military admin. 355.65
farming agriculture 631.14

Subsistance (cont.)
homesteads economics 331.61
ontology 111.32
towns city planning 711.582
Subsoil plow farming 631.3126
Subsoiling tillage 631.512
Substance ontology 111.3
Substances
preparation of
practical chemistry 542.22
properties of chem. 541
Substantia
alba anatomy 611.824
nigra " 611.81541
of Rolando gelatinosa
anatomy 611.8224
perforata anterior anat. 611.8133
Substations elec. eng. 621.3126
Substitution
methods
radio measurements 621.38417135
processes, photoceramic 773.6
tests psychology 151.23
Substitutions algebra 512.86
Substratums phot. chem. 771.528
Subsurface
realty taxation 336.228
utilization land econ. 333.8
see also Submarine, Underground
Subterranean
surveying 526.99
see also Underground
Subthalamic
tegmental region anat. 611.8141
Subtractive processes
color photography 778.66
Subtropical regions
vegetable ecology 581.5244425
Subungulata mammalogy 599.6
Suburban
birth rate 312.1
churches architecture 726.533
cities & towns
civic planning 711.417
communities polit. sci. 323.353
estates landscape art 712.643
fares railways 385.13222
population demography 312.9
residential districts
city planning 711.583
Suburbs, industrial
city planning 711.552
Subventions
see Grants, Subsidies
Subversive activities
public order 351.75
Subway stations archi. 725.319
Subways
city planning 711.752
commerce 385.64
local transit 388.4
public health 614.782
railroad engineering 625.4
sanitary " 628.47
see also Underground
Success in life ethics 174
Succession
monarchic polit. sci. 321.6–.7
rights of land econ. 333.35
silvics 634.94824
tax public finance 336.276
to property priv. law 347.6
vegetable ecology 581.5243
Succor, *see* Aid
Succory (Cichoriaceae)
field crops 633.78
garden " 635.54
Succubuses sorcery 133.42
Succulent herbs botany 582.142
Succulents, woody " 582.19
Suckers plant culture 631.5331
Suckling, John Eng. poet. 821.41
Sucroclastic ferments
botanic chemistry 581.19345
physiologic " 612.01515
Suction
gasometers prac. chem. 542.77
physiologic botany 581.1156
pump pneumatics 533.85
Sudan
Anglo-Egyptian hist. 962.4
history 966.2
Suddenness and attention
psychology 152.723224
Sudoriferous glands
anatomy 611.774
pathology 616.56
Sue, Eugène French fict. 843.74
Suetonius Tranquillus
Caius Latin literature 878.7
Suevi history, ancient 936.333
Suez
canal
and Mediterranean
route commerce 387.5222
engineering 626.9096215
European war, 1914–19 940.4296
sociology 386.43
history 962.15

Suffixes Eng. etymology 422.2
" other language —22
Suffocation physiology 612.232
pub. health 614.82
Suffolk
cattle (Bovidae)
dom. anim. 636.2266
city, Va history 975.5531
county, Eng. " 942.64
Mass " **974.46**
NY " 974.725
down sheep (Bovidae)
domestic animals 636.3235
draft horse (Equidae)
domestic animals 636.1522
swine (Suidae)
large white dom. anim. 636.4246
middle " " " 636.4273
small colored " " 636.4213
Suffrage
amendments
US constitutional law 342.73
colonial polit. sci. 325.315
in England 324.42
India 324.54
US
etc. 324.73
limitations polit. sci. 324.17
limited " " 324.212
negro, amendment, 1870
US history 973.82
[1] **political science 324**
reform polit. sci. 324.28
systems " " 324.2
universal " " 324.211
woman's " " 324.3
Sufism philosophy 181.5
Sugar
absorption in
intestines physiology 612.33272
stomach " 612.32272
adulterations 614.311
and absorption physiol. 612.3822
gastric digestion 612.3222
gelatin silver
processes phot. 772.13
nutrition physiol. 612.39614
pancreatic digestion 612.3422
apple (Anonaceae) fruitc. 634.412
as food domestic econ. 641.13
bean (Fabaceae)
garden crops 635.653
beets (Chenopodiaceae)
field crops 633.63
Sugar (cont.)
cane (Andropogoneae)
field crops 633.61
harvesters agric. 631.3586
harvesting 631.5566
changes
metabolism, physiol. 612.3962
chemistry of blood 612.122
grape viticulture 634.8436
House prison Amer. revol. 973.3712
in blood physiology 612.35212
intestinal digestion 612.3322
lactic secretion 612.66432
liver physiology 612.35211
milk " 612.66412
urine " 612.46182
mangel, half (Chenopodiaceae) field crops 633.416
organic chemistry 547.3
pharmacy 615.332
plants field crops 633.6
refining
and pollution
public health 614.734
chemic technology 664.1
Suggestibility
hightened hypnotism 134.52
instinct psychology 158.4245
Suggestion
and advertizing bus. 659.10115
reproduction
psychol. of memory 154.3314
hypnotism 134.233
posthypnotic psychology 134.53
psychoanalysis 131.3425
psychology, educational 370.1543314
systems
economic incentives 331.14
office econ. " 651.4472
therapeutics 615.851
Suhm, P F Danish lit. 839.81845
Sui dynasty Chinese hist. 951.015
Suicidal manias psychol. 132.65
Suicide
ethics 179.7
social customs 394.8
statistics demography 312.2

Suidae domestic animals 636.4
mammalogy 599.7344
Suiko, Empress Jap. hist. 952.0137
Suina mammalogy 599.734
Suinin Japanese history 952.0124
Suitcases manufactures 685.512
Suite instrumental music 785.8
music form 781.50831
Suitings manufactures 677.02864
see also special fibers
Suits in equity priv. law 347.8
Suiyuan, China history 951.76
Suizei Japanese " 952.0122
Sujin " " 952.0123
Sujun " " 952.01367
Suko " " 952.02275
Sulcus
centralis anatomy 611.81312
inguinalis regional anat. 611.9813
medianus spinalis " 611.8218
Sulfanilamid pharmacy 615.222
Sulfate of iron
fertilizers 631.825
Sulfates chemic tech. 661.6
fertilizers 631.833
mineralogy 549.75–.76
Sulfids mineralogy 549.3
Sulfo-acids org. chem. 547.7
Sulfur
and nutrition physiol. 612.39243
assimilation botany 581.133543
chemistry 546.22
compounds and pollution
public health 614.725
geology, economic 553.66
in urine physiology 612.46163
tint engraving 766.4
waters geol., econ. 553.74
Sulky cultivator farming 631.3163
Sullivan co., Ind hist. 977.241
Mo " 977.8235
NH " 974.275
NY " 974.735
Pa " 974.859
Tenn " 976.896
Sullivan's
expedition, 1779
American revolution 973.3356
Island, SC Amer. revol. 973.3328
Sully-Prudhomme, R F A
French poetry 841.84
Sulpicians monastic ord. 271.75
Sultana grape vitic. 634.849
Sultans, fowls (Gallinae)
agriculture 636.573
Sumac (Anacardiaceae)
field crops 633.871
Sumadia swine (Suidae)
domestic animals 636.472
Sumatra history 992.1
[4] **Sumatran language 499.226**
Sumer history, ancient 935.4
Summa cum laude
univ. & col. degrees 378.22
Summer
birth rate 312.1
camps child welfare 362.78
landscape art 712.73
recreation 796.54
colonies lands. art 712.643
courses
in specific fields
[2] see subject —07163
folklore 398.3322
grape
northern vitic. 634.8453
vitis aestivalis
viticulture 634.8451
homes architecture 728.7
houses architecture 728.991
landscape art 717.682
Lake, Ore description 917.9593
pruning agriculture 631.5422
schools
[1] **adult education 374.8**
agriculture 630.7132
education 371.232
library economy 020.712
teachers' training 370.731
university & college 378.142
squash (Cucurbitaceae)
garden crops 635.621
Summer's method
navigation 527.4
Summers
columnar construction 721.38
county, WVa history 975.476
Summist philosophers 189.4
Summit co., Colo hist. 978.845
O " 977.136
Summons legislature 328.351
Sumner
Charles
American oratory 815.33
assault on, 1856
US history 973.66
Civil war causes 973.7114
county, Kan history 978.187
Miss. " 976.2697
Tenn " 976.847

Sumptuary
laws ethics 177.4
political economy 339.47
taxes public finance 336.2713
Sumter
county, Ala history 976.141
Fla " 975.973
Ga " 975.891
SC " 975.769
Fort, SC
bombardment, 1863
US Civil war 973.7351
US Civil war, 1861 973.7311
Sun and tides astronomy 525.62
astronomy **523.7**
baths phototherapy 615.831
bittern (Alectorides)
ornithology 598.32
cracks geology 551.83
lamps phototherapy 615.831
line palmistry 133.6432
motors mech. eng. 621.47
mount palmistry 133.642
occult astrology 133.532
physical constit. of
astronomy 523.76
pictures fine arts **770**
plants floriculture 635.9542
rooms domestic econ. 643.57
stroke pathology 616.988
pub. health 614.87
tables
astron., terrestrial 525.38
worship comp. relig. 291.2127
Yat-sen Chinese hist. 951.041
Sunbirds (Insessores)
ornithology 598.8
Sunbury co., NB hist. 971.543
Sunda Islands " **992**
[4] **Sundanese language** **499.225**
Sunday
labor holidays 331.817
laws theology 263.8
US statutes 345.21
opening
library economy 024.41
museums & libraries
theology 263.7
Sabbath **263.3**
school
accessories 268.239
anniversaries and
special days 268.76
attendance 268.52
books prac. relig. 244
Sunday (cont.)
school (cont.)
branches 268.15
buildings 268.22
architecture 726.45
committees 268.34
discipline **268.5**
finance **268.142**
furnishings **268.24**
grades 268.44
gymnasiums 268.236
incentives 268.53
libraries 268.233
library economy 027.831
membership **268.42**
missions 268.15
music fine arts 783.7
personnel **268.3**
premises **268.2**
printing 268.144
rewards 268.53
services **268.7**
teachers **268.37**
teaching methods **268.6**
schools
denominational **268.8**
for special classes 268.437
organization of **268.4**
outside activities 268.48
religious education **268**
work economics 331.813
library economy 023.632
office " 651.4232
religion 263.5
Sundew (Droseraceae) bot. 583.393
Sundgauer grape vitic. 634.8543
Sundials
horology 681.1111
astronomic 529.78
landscape art 717.9
portable horology 681.1191
Sunesen, Anders
Danish poetry 839.81111
Sunflower
county, Miss. history 976.247
false (Heleniaceae) bot. 583.5538
(Helianthaceae)
field crops 633.39
state (Kan) history **978.1**
Sung dynasty
420–479 Chinese hist. 951.0142
960–1280 " " **951.022**
Sun-grebe (Fulicariae)
ornithology 598.31

Sungshan, China history 951.18
Sunk lands, Ark " 976.798
Sunken
fences landscape art 717.85
gardens " " 712.6248
panels " " 717.72
tubes
subaqueous foundations
architecture 721.177
wells
subaqueous foundations
architecture 721.176
Sunlight
hygiene 613.19
photography fine arts 771.442
Sunn hemp (Fabaceae)
field crops 633.562
textile manufactures **677.14**
Sunnites Mohammedanism 297
Sunshu history **952.1661**
Sun-spots astronomy 523.74
Suo history 952.1981
[4] **Suomi language** **494.541**
Super-
chargers
motor vehicle engines 629.2535
cilia anatomy 611.8476
columination
architectural design 729.326
ego psychoanalysis 131.3414
fetation
see Fecundation, super; Fertilization
heaters steam eng. 621.1975
heating " " 621.1011
heterodyne action
of electron tubes
radio 621.3841323132
radio reception 621.3841366232
imposition
columnar design 729.326
men psychology **151.1**
natural
beings folklore 398.4
events doc. theol. 231.73
metaphysics 125
order of man
doctrinal theology 233.12
power in men
comparative relig. 291.62
naturalism occultism **133**
normal children
education of **371.95**
Super- (cont.)
numerary time econ. 331.65
phosphates fertilizers **631.855**
regenerative action of
electron tubes radio 621.3841323112
saturation prac. chem. 542.62
Superficial ore deposits
economic geology 553.13
Superintendents
domestic economy 647.21
school administration 371.1472
Sunday schools **268.333**
training for education **370.76**
Superior
California history **979.41**
children education 371.955
city, Wis history 977.512
families genius 151.13
ganglion anatomy 611.8919
Lake, Canada history **971.31**
Superiority complex
psychoanalysis 131.34123
Supers apiculture 638.14232
Supersonic receiving sets
radio 621.384136624
Superstitions folklore **398.3**
occultism **133**
Supervized study
individual instruction 371.394
Supervision
administrative
in specific fields
[2] see subject —00035
building industry 692.6–.7
over administration
central government 351.93
school administration **371.2**
Supervisors
of instruction, gov'tal **379.15**
school administration 371.1472
training for educ. **370.76**
Supinator anatomy 611.73766
Supper cookery 641.53
last Christology 232.957
sacraments 265.3
Supplejack (Rhamnaceae)
botany 583.2791
Suppleness
athletic development 796.41
hygiene of exercise 613.71
Supplies
office economy **651.466**
school, free
child welfare 362.764

Supplies (cont.)
viewpoint
in specific fields
[2] see subject —005
zootechnic expenses 636.08171
Supply
and demand
and prices economics 338.52
commerce 380.11
of labor and wages
economics 331.2
production 338.018
see also in Tables Financial questions under specific types of production, e.g. 338.13
service maintenance
military maneuvers 355.53
science 355.415
ships shipbuilding 623.826
societies cooperation 334.62
Supporting
elements aircraft 629.13432
regions leaf anatomy 581.4973
root " 581.4983
stem " 581.4953
tissues histology 611.0182
Supports
advertizing displays 659.157
on business 659.137
aircraft equipment 629.1358
for plants agriculture 631.345
nonsensitive
photographic chemistry 771.52
practical chemistry 542.24
radio equipment 621.38413388
renovating of
photographic chemistry 771.5291
sensitive
and speed phot. chem. 771.5325
photographic
chemistry 771.532
silver processes 772.12
photolithography 775.2–.3
photomechanics 774.2–.3
photometalography 776.2–.3
Suppuration surgery 617.22
Supra-
clavicular nerves anat. 611.83334
hyoid muscles " 611.734
renal artery " 611.1366
bodies " 611.45
pathology 616.45
physiology 612.45
plexus anatomy 611.8393
veins " 611.1463
Supra- (cont.)
sensible & sensitive
life psychology 130
spinatus anatomy 611.73712
Supreme court
reports US law 345.4
US law 347.99
Supucaia-nut
(Lecythidaceae) botany 583.423
Sural nerve anatomy 611.83588
Surat goats (Bovidae)
domestic animals 636.39854
Surbased arches
architectural constr'n 721.422
Sureties
commercial law 347.7
criminal " 343
insurance 368.81
Surface
cultivator farming 631.3164
grinding machines 621.922
lunar astronomy 523.34
solar " 523.74
tension chemistry 541.321
of solutes 541.341
physics 532.6
Surfaces
curved
geometry, Cartesian 516.4
descriptive 515.14–.15
theory of calculus 517.26
intersecting
geometry, descriptive 515.18
of higher order
geometry 513.59
analytic 516.59
Cartesian 516.46
revolution
geometry, descr. 515.16
quadric geometry 513.58
analytic 516.58
Cartesian 516.42
supporting aircraft 629.13432
warped geometry, descr. 515.17
Surfacing
photographic apparatus 771.45
prints 770.2846
road engineering 625.75
Surfboards sports 797.17
Surfboats shipbuilding 623.829
Surfeit pathology 616.39
Surfusion practical chem. 542.63
Surgeon general US gov't 353.6
Surgeons 617.069
biography 926.17

Surgeons (cont.)
registration of
public health 614.24
Surgeries architecture 725.511
sociology 362.11
Surgery
agricultural prot'n 632.8
dental 617.6
medicine 617
military medicine 617.99
operative 617.9
ophthalmic 617.7
oral 617.52
plastic 617.95
regional 617.5
zootechny 636.0897
Surgical
aid industrial hygiene 331.822
dressings medicine 617.93
instruments " 617.91
operations pathology 617.4
technic medicine 617.9
Surianoideae
(Simarubaceae) botany 583.241
Surinam
cherry (Myrtaceae)
fruitculture 634.423
history 988
Surirelloideae botany 589.6232
Surmounted arches
architectural constr'n 721.412
Surnames genealogy 929.4
Surplus
business finance 658.157
production 338.54
see also in Tables subhead Crises under specific types of production, e.g. 338.15
taxes, corp. pub. fin. 336.243
wealth distribution 339.23
Surrealism
painting schools 759.915
Surrey, H H Eng. poet. 821.28
fowls (Gallinae)
agriculture 636.522
history 942.21
Surrogate courts jurispr. 347.99
Surry co., NC history 975.665
Va " 975.556
Suruga " **952.1661**
Survey courses
curriculum 375.006
Surveying
forestry 634.932
geodesy 526.9
military engineering 623.71
Surveying (cont.)
photography 778.38
subterranean mining 622.14
Surveys
advertizing business 659.113
agricultural soil 631.47
aircraft service 629.1385
forest management 634.928332
magnetic mining 622.15
of ground lands. art 712.33
railroad engineering 625.11–.12
road " 625.72
scientific, general 508.3
social
[1] **description** 914–919
[1] **sociology** 309.1
tax public finance 336.292
Survival of fittest biol. 575.423
tables demog. 312.2
insur. 368.3
Survivors
aid for pub. relief 362.67
association, Confederate 369.171
Susanna, Story of
Apocrypha 229.6
Susceptibility
emotional psychology 157
hysteric hypnotism 134.0167
Sushun Japanese history 952.01367
Susiana history, ancient 935.9
Suspended
animation
physiology 612.0131
vegetable phenology 581.5436
see also Asphyxia
sentence criminology 364.63
Suspension
bridges engineering 624.5
catenary
elec. traction lines 621.33223
censorious penance 265.65
ecclesiastic discipline 262.9
legislative " 328.366
running gear
railway engineering 625.21
school discipline 371.56
Suspensor, embryonic bot. 581.3329
Susquehanna co., Pa hist. 974.834
Sussex
cattle (Bovidae)
domestic animals 636.2228
county, Del history 975.17
Eng. " 942.25
NJ " 974.976
Va " 975.5565
fowls (Gallinae) agric. 636.522

Sussex (cont.)
sheep (Bovidae)
domestic animals 636.3231
steamship Eur. w. 940.4514
swine (Suidae)
domestic animals 636.4212
Sustained waves radio 621.384111
Sustaining walls
architectural constr'n 721.291
Sutherland
Cape Colony history 968.7455
co., Scotland " 941.14
Sutoku Japanese " 952.01635
Suttee burial customs 393.9
Sutter co., Calif. hist. 979.434
Sutures, cranial anat. 611.7141
surgery 617.93
Suwanee co., Fla hist. 975.982
Suzaku Japanese " 952.016235
[4] **Svanetian language** 499.9622
Svaning, H J Dan. lit. 839.8183
Svart, P A Swed. " 839.7821
Svealand history 948.7
Svetambara Jainism 294.4
Swabia, Bavaria history 943.37
dutchy " 943.47
Swabian swine (Suidae)
domestic animals 636.431
Swabs ordn. implements 623.463
Swain co., NC history 975.696
Swakopmund European war 940.4268
history 968.851
Swaledale sheep (Bovidae)
domestic animals 636.3257
Swallowing physiology 612.312
Swallows (Acromyodi)
ornithology 598.81
Swamp
apple (Ericaceae) bot. 583.62
blueberry (Vacciniaceae)
fruitculture 634.737
cypresses
(Taxodiaceae) botany 585.211
grape viticulture 634.8451
plants veget. ecology 581.52633
Swamps
landscape art 714.27
natural landscape 719.232
physiography 551.49
public health 614.772
reclamation of agric. 631.615
Swans
and landscape design 713.6
(Anseres) aviculture 636.681
Swanskins manufactures 677.62
Swantypes photography 777.3
Swarm catchers apic. 638.146224
Swarming
control
apiculture colonies 638.1462
habit apiculture 638.12152
period
apiculture management 638.14163
prevention of apic. 638.14624
Swastika ecclesiology 246.5
Swatow, China history 951.27
Swayka games 796.37
Swaziland history 968.34
Swearing ethics 179.5
legal procedure 347.94
Sweat
and temperature
physiology 612.533
diaphoretic therap. 615.743
glands anatomy 611.774
pathology 616.56
pathologic changes of
physiology 612.7926
physiology 612.792
see also Evaporation, cutaneous
Sweaters domestic economy 646.45
Sweating
coins 332.419
system production 338.65
wages 331.23
Sweden
history 948.5
union with Norway hist. 948.06
Swedenborg, Emmanuel
Swedish literature 839.7836
[1] **Swedenborgian church** 289.4
Swedish
[1] **church** 284.7
[4] **language** 439.7
turnip (Brassicaceae)
garden crops 635.126
Sweep
cultivators farming 631.3162
Sweeping domestic econ. 648.52
Sweet
clover (Fabaceae)
field crops 633.366
herbs landscape art 716.1756
potato
(Convolvulaceae, Dioscoreaceae)
field crops 633.492
garden " 635.22
secretions botany 581.1443
zoology 591.144

Sweet-
flag (Araceae) botany 584.65
gale (Myricales) " 583.974
gum (Hamamelidaceae)
botany 583.394
leaf (Hypericaceae) botany 583.162
(Symplocaceae) " 583.6863
scented grape vitic. **634.8432**
sop (Anonaceae) fruitc. 634.412
william
(Silenoideae) botany 583.153
wild (Polemoniaceae)
botany 583.7611
Sweets cookery 641.85
Swellendam history 968.734
Swelling movements
physiologic botany 581.18263
Swietenioideae
(Meliaceae) botany 583.251
Swift
Jonathan English wit 827.52
county, Minn history 977.641
(Trochilidae) ornithol. 598.89
Swimmers (Natatores)
ornithology **598.4**
Swimming
animal locomotion 591.47
bladder
anatomy 611.29
and locomotion
physiology 612.767
facilities lands. art 712.53
locomotion botany **581.18662**
plants veget. ecology 581.526324–325
pools
architecture 725.74
landscape art 714.33
school buildings 371.624
school hygiene 371.735
sports **797.2**
see also Bathing
Swinburne, A C Eng. poet. 821.86
Swindling
criminal law 343
ethics 174.7
pathologic psychology 132.63
Swine
(Bunodontia) mammalogy **599.734**
cress (Brassicaceae)
garden crops 635.565
diseases of vet. med. 619.4
(Suidae) dom. anim. **636.4**
Swing bridges eng. 624.83
plow farming 631.3124
Swinging
doors archi. constr'n 721.836
recreation 796.21
windows archi. constr'n 721.846
Swingling textile process 677.02821
see also special fibers
Swings recreation 791.7
Swinomish Indian
reservation, Wash hist. 979.772
Swiss
architectural style **724.7**
chard (Chenopodiaceae)
garden crops 635.42
cheese dairy industry 637.3543
literature, history of **809.94994**
sheep (Bovidae)
domestic animals 636.3336
Switch towers, railway
architecture 725.33
Switch-
backs railroad eng. 625.11
board
operators office econ. 651.3744
systems telephony **621.3854**
boards
automatic telephony 621.38775
electric stations **621.317**
semiautomatic
telephony 621.38772
telephony **621.387**
Switches
electric stations **621.3173**
local elec. lighting 621.3287
radio antennas 621.38413588
circuits 621.38413385
telegraphy 621.38327
telephony 621.3866
track railway eng. 625.16
Switching charges
express railways 385.132391
Switzerland
county, Ind history 977.2125
history **949.4**
Swivel bridges eng. 624.83
Sword dance recreation 793.35
fencing sports 796.863
Swordfish (Acanthopterygii)
ichthyology 597.58
Swords fine arts 739.72
ordnance 623.4442
weapons 399
Sycamore
(Platanaceae) botany 583.971
(Ulmaceae) " 583.9625

Sycamore-
fig (Moraceae) botany 583.9622
maple (Aceraceae) " 583.284
Sydenham history 971.318
Sydney, Australia " 994.4
NS " 971.696
Syenite
geology, economic 553.52
petrology
metamorphic rocks 552.41
plutonic " 552.32
Syllabic shorthand 653.68
Syllabus of Pius 10
church & state 261.75
Syllabuses
adult education 374.19
in specific fields
[2] see subject —02
Syllogism logic 166
Sylvaner grape
French viticulture 634.8544
German " 634.8543
red Austrian vitic. 634.85436
Sylvian fissure anatomy 611.81313
Sylvius, aqueduct of " 611.8156
Symbiosis botany 581.557
Symbolic
paintings fine arts 753
vowel expression
shorthand system 653.775
Symbolism
Christian ecclesiology 246
color painting 752.2
comparative religion 291.37
divination 133.335
fine arts 704.946
national polit. science 320.18
psychoanalysis 131.34124
writing methods 652
Symbolization of stores
business methods 658.782
Symbols
in reasoning psychol. 153.65
psychol. of abstraction 153.343
in specific fields
[2] see subject —0148
Symmachus version Bible 221.48
Symmetalism fin. econ. 332.423
Symmetric
airplane engineering 629.13516
functions algebra 512.84
Symmetry
architectural elevations 729.13
plans 729.23
Symmetry (cont.)
drawing composition 741.432
esthetics 701.17
see also specific subject
Sympathetic
nervous system
action on
blood vessels 612.1814
anatomy 611.839
and salivary secretion 612.31382
ganglions of anat. 611.899
physiology 612.89
of heart 612.1782
photography fine arts 778.8
Sympathy
psychology of emotions 157.3
Sympetalae botany 583.5
Symphony instr. music 785.11
music form 781.50821
Symphyla zoology 595.63
Symphyodontaceae botany 588.21521
Symphyseotomy obstetrics 618.85
Symphysis pubis anatomy 611.7281
Symplocaceae botany 583.6863
Symptomology diagnosis 616.075
Synagogs architecture 726.3
Synanthae botany 584.62
Synapse psychology 131.21
Synapsis veget. cytology 581.876234
Synarthrosis anatomy 611.7292
Synascidiae zoology 594.94
Synchronizers elec. eng. 621.37491
Synchronology history 902
Synchytriaceae botany 589.285
Syncline geology 551.86
Syncopated dances
music form 781.5085
Syncopation music compos. 781.62
Syncopes, cardiac
physiology 612.1786
Syncretism philosophy 148
Syndicalism
labor organizations 331.886
Syndicalist anarchism
political economy 335.833
Syndicates
banking fin. econ. 332.16
press journalism 070.26
Synecology botany 581.524
Synesthesia physiology 612.887
psychology 152.77
Synesthetic
hallucinations psychol. 133.2237
illusions " 133.2437

Synod eccles. polity 262.4
Synonyms
English language 424
[3] other " —4
in specific fields
[2] see subject —014
Synophyty
vegetable teratology 581.2217
see also Fetuses, coalescent
Synopses
reading meth. lib. econ. 028.1
in specific fields
[2] see subject —02
Synopsy psychology 152.771
Synoptic tables
[2] in specific fields
see subject —0834
Syntax **English language** 425.2
[3] other " —52
philology 415.2
Syntheses, metabolic
physiologic chemistry 612.01536
Synthesis chemistry 545.9
logic 160
Synthesism
painting schools 759.913
Synthetic
see under qualified term
Syntonization radio syst. 621.3841572
Syntrophism botany 581.55762
Syphilis
pathology 616.951
public health 614.547
vaccinal pub. health 614.4733
Syphilitic mental
deficiency psychology 132.2445
Syracuse
history, ancient 937.8
New York history 974.766
Sicily " 945.8
Syrah grape viticulture 634.8544
Syria
campaign, 1918 Eur. w. 940.4381
history 956.9
ancient 939.4
[4] **Syriac language** 492.3
text Bible 220.43
Syrian
architectural styles
early Christian 723.122
Mohammedan 723.31
church 281.5
desert history 953.9
ancient 939.47–.48
goat (Bovidae) dom. anim. 636.3985
philosophers 181.9
sheep (Bovidae) dom. anim. 636.385
Syringa
(Oleaceae) botany 583.71
(Saxifragaceae) " 583.381
Syrmian swine (Suidae)
domestic animals 636.472
Syro-Chaldaic text Bible 220.42
Syrrhopodontineae botany 588.21463
Syrtica ancient history 939.74
Syrtis history 961.2
[4] **Syryenian language** 494.532
Systematic catalogs bibl. 017
Systole physiology 612.171
Syv, P P Danish poetry 839.81133
Szagos Feher grape vitic. 634.849
Szalontaer swine (Suidae)
domestic animals 636.432
Szechwan, China history 951.38

T

T beams, strength of eng. 620.11282
Tabankulu history 968.644
Tabasco, Mex. " 972.6
Tabellariaceae botany 589.6236
Tabernacle ecclesiology 247.2
OT antiq. 221.93
Tabernacles altar archi. 729.912
architecture 725.92
Tablature music notation 781.24
Table
decoration dom. econ. 642.8
d'hôte " " 642.51
furnishings " " 642.7
games recreation 793.75
Table (cont.)
grapes viticulture 634.872
manners dom. economy 642
ethics 177
social customs 395
systems dom. econ. 642.5
talks " " 642.48
ethics 177.2
tipping spiritism 133.922
Tableaux recreation 793.24
Tablecloth dom. economy 642.7
Tables
and problems, math. *see* Math. tables & problems

Tables (cont.)
artistic furniture 749.33
astronomic, *see*
Astron. charts, maps, etc.
calculating
office fittings 651.4655
domestic furniture 645.43
landscape art 717.9
office furniture 651.232
(tabulations) in specific
[2] fields see subject —0834–6
wall course constr'n 721.25
Tablets
clay, as money econ. 332.54
memorial cemeteries 718.66
mortuary archi. 726.82
Tableware
ceramics 738.2
cleaning dom. economy 648.54
precious metals arts 739.2183
Tabora European war 940.4298
history 967.89
Tabriz Eur. w., 1915 940.4264
1918 940.4384
Tabu comp. religion 299.9
ethnology 572
Tabular standard money 332.56
Tabulating
business letters 651.752
psychol. measurements 151.264
statis. data sociology 311.24
Tabulators manufactures 681.14
office equip. 651.2646
Taccaceae botany 584.26
Tachardia lacca (Coccidae)
lac industry 638.323
Tachienlu, China history 951.37
Tachigraphy, classic
shorthand 653.51
Tachistoscopes
psychophysics 152.8241
Tachometers aircraft 629.13515
steam eng. 621.1977
Tachyscopes photography 778.52
Tacitus, C C Latin lit. 878.6
Tackle
breeching ordnance 623.4362
hydraulic mech. eng. 621.262
mechanical engineering 621.862
Tacoma, Wash history 979.7781
Tact ethics 177.1
Tactical exercises
military training 355.54
Tactics
cavalry mil. science 357.18
infantry " " 356.18
military science 355.41–.42
Tactile
acuteness psychology 152.571
chromisms " 152.77125
fusions physiology 612.88
psychology 152.574
organs anatomy 611.88
psychology 152.51
perception psychol. 152.57
phonisms " 152.7725
sense physiology 612.88
psychology 152.5
synesthesia " 152.775
Tadjura history 967.71
Taenia
fornicis anatomy 611.81314
semicircularis " 611.81325
Taeniopterides botany 585.973
paleobot. 561.5973
Taffeta textile mfg 677.02864
see also special fibers
special fabrics 677.61
Taft, W H, pres. US hist. 973.912
Tag children's games 796.14
Tagala languages 499.21
Tagassuidae mammalogy 599.7345
Tags office supplies 651.4667
Tahiti archipelago hist. 996.2
Tahr goat (Bovidae)
domestic animals 636.39854
Tai Hu, China history 951.13
Taian, " " 951.14
Taichu " 952.98
Taihoku " 952.91
Taikwa reform Jap. hist. 952.014
Tail aircraft constr'n 629.13431
comp. anatomy 611.99
Tailless fowls (Gallinae)
agriculture 636.5882
Tailoring trades 687.1
Tainan history 952.97
Taine, H A French essays 844.83
Taipeh history 952.91
Taiping rebellion
Chinese history 951.037
Taira period Jap. hist. 952.0163
Taishan, China history 951.14
Taisho period Jap. hist. 952.032
Taishu history 952.211
Taito " 952.94

Taiwan Chinese history 951.249
Japanese " 952.9
Taiyuan, China " 951.172
Tajima " 952.1932
Tajura " 967.71
Takakura Jap. " 952.016386
Takao " 952.95
Takasago (Taiwan) " 952.9
Takatoki Jap. " 952.02129
Take off avigation 629.13252
Takigraphy 653
Takla Makan desert, China
history 951.6
Talbot co., Ga history 975.8483
Md " 975.232
process phot. 777.1
Talbotypes photography 772.12
Talent, inventive genius 151.123
psychology 151
tests psychology 151.2238
schools 371.26
Talents personality 137.38
Tales folklore 398.21
see also Fiction
Tali, China history 951.35
Taliaferro co., Ga " 975.8616
Talienwan, Manchuria " 951.822
Talipes surgery 617.39
Talismans numismatics 737.2
sorcery 133.44
Talking
films photography 778.5344
projection 778.5544
in sleep psychology 135.6
machines manufactures 681.8431
of employes lib. econ. 023.91
office " 651.441
Talladega co., Ala hist. 976.161
Tallahassee, Fla " 975.9881
Tallahatchie co., Miss. " 976.2455
Tallapoosa co., Ala " 976.153
Tallinn Eur. w., 1917 940.4326
1918 940.4374
history 947.4
Tally
counters office equip. 651.26413
sheets suffrage 324.242
Talmud Judaism 296
Talocalcaneum ligament
anatomy 611.72851
Talus anatomy 611.71871
Tama co., Ia history 977.756
Tamale, Africa " 966.78
Tamarac (Pinaceae) forestry 634.9757
Tamaricineae botany 583.158
Tamarind (Caesalpiniaceae)
fruitculture 634.461
Tamarisk (Tamaricineae)
botany 583.158
Tamaulipas history 972.1
Tamba " 952.1915
Tambourine mus. instr. 789.4
Tambours archi. design 729.348
dome constr'n 721.47
[4] **Tamil language 494.811**
Taming, China history 951.15
Tammany polit. ass'ns 363
Tampa, Fla history 975.9651
Tampico fibers (Amaryllidaceae) field crops 633.5772
Tamworth swine, red (Suidae)
domestic animals 636.4262
Tanagra
ancient history 938.4
figurines ceramics 738.84
Tanaland province hist. 967.67
Tandem bicycles eng. 629.2276
planes aviation 629.133345
Taney co., Mo history 977.8797
Tang dynasty
618–907 Chinese hist. 951.016
923–936 " " 951.0174
Tanga history 967.82
Tanganyika
dist., Rhodesia hist. 968.963
Lake " 967.89
Territory " 967.8
Tanganyika-Moero district
Belgian Kongo history 967.58
Tangerine (Rutaceae)
fruitculture 634.322
Tangier history 964.2
Tangipahoa parish, La.
history 976.313
Tangleberry (Vacciniaceae)
fruitculture 634.731
Tango dances 793.33
Japan history 952.1918
Taniwa history 952.1914
Tank sewers san. eng. 628.28
Tankage fertilizers 631.846

Tanks
developing photography 771.43
feedwater steam eng. 621.1972
military science 358.1
mot. veh. lubrication 629.25552
sewage precipitation 628.341
track architecture 725.33
locomotive eng. 621.1363
railroad " 625.16
Tannat grape viticulture 634.8544
Tannenburg battle, 1914
European war 940.4221
Tanneries architecture 725.414
Tannin pharmaceutics 615.334
process phot. 772.14
Tanning
and polution
public health 614.745
barks forest products 634.9852
biologic collecting 579.4
material econ. botany 581.644
field crops **633.87**
manufactures 675
processes photography 773.3
Tannu Tuva, Mongolia hist. 951.71
Tanshu, Awaji history 952.1938
Kyoto " 952.1914
Tansillo, Lugi It. poet. 851.43
Tansy (Anthemidaceae) bot. 583.5537
Tantalates mineralogy 549.71
Tantalum chemistry 546.88
processes phot. 772.75
Tantrums psychology 157.224
Taoism Chinese religion 299.51
Tao-kuang " hist. 951.036
Tap rooms architecture 725.72
Tape
measures office econ. 651.4654
prices securities 332.61
printing system
telegraphy 621.38251–53
reading stock & commodity trading 332.64
Tape-grass (Hydrales) bot. 584.11
Taper
columnar design 729.321
tables
forest mensuration 634.928547
Tapestry bldg industry 698.7
dom. economy 645.1–.4
fancywork 746.3
hyg. of dwellings 613.592
interior dec. 747.35
textile mfg 677.64
Tapetum of choroid anat. 611.8423
Tapeworms (Cestoda)
parasitic diseases 616.964
Taphrinaceae botany 589.237
Tapioca chem. technology 664.2
Tapiridae mammalogy 599.7272
Tapping mach. mech. tools 621.955
Tar
chemic technology 668.4
coal- *see* Coal-tar
engineering materials 620.196
Heel state (NC) history 975.6
steam boiler fuels 621.18223
water pharmaceutics 615.325213
Tarakai history 952.6
Tarascan civilization history 972.013
Taraxacum officinale (Cichoriaceae) garden crops 635.46
Tardigrada zoology 595.412
Tardiness
office economy 651.4212
school discipline 371.52
Tarentaise goat (Bovidae)
domestic animals 636.394
Target
effect of projectiles on ballistics 623.561–.562
practise
military science 355.541
naval ballistics 623.554
shooting sports 799.31
Targhee nat'l forest, Ida
description 917.9656
Targionioideae botany 588.332
Targums
Chaldee versions, OT 221.42
Tariff
act, 1824 US history 973.54
1828 " " 973.55
1833 " " 973.56
1890 " " 973.86
1894 " " 973.87
1897 " " 973.88
1913 " " 973.913
duties pub. finance 336.26
policy polit. economy 337
schedules pub. finance 336.265
systems polit. economy 337.36
treaties " " 337.91
US Civil war causes 973.7118
valuation syst. pub. fin. 336.264
Tariffs
colonial polit. econ. 337.92
electric engineering 621.371

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Tariffs (cont.)
forestry exports 634.927251
imports 634.927261
railways 385.132
Tarin, valve of anatomy 611.81711
Tarkastad history 968.765
Tarlatan cotton mfg 677.2164
Tarn history 944.85
Tarn-et-Garonne " 944.75
Tarpaulin textile mfg 677.02864
see also special fibers
Tarpon (Physostomi)
ichthyology 597.55
Tarragoon (Carduaceae)
garden crops 635.74
Tarring road engineering 625.75
Tarsal artery anatomy 611.13794
Tarsia archi. decoration 729.63
Tarsometatarsal joints
anatomy 611.7286
Tarsus anatomy 611.7187
Tartar emetics 615.731
see also Tatar, Tatary
Tartini's tones physiol. 612.8587434
psychol. 152.287434
Tasajo (Cactaceae) bot. 583.471
Task reasoning psychol. 153.622
work wages 331.23
Tasks school discipline 371.56
Tasmania history 994.6
Tasso
Bernardo It. poetry 851.35
Torquato " " 851.46
Taste
and criticism f. arts 701.18
facial nerve
physiology 612.81975
buds anat. of digestion 611.3135
taste 611.87
physiology 612.87
psychology 152.413
center in brain psychol. 152.472
esthetics 701.17
see also specific subjects
organs
anatomy 611.87
of digestion 611.313
pathology of 616.31
psychology 152.41
pathology of psychol. 152.477
perception psychol. 152.47
physiology of 612 87
brain 612.82557
Taste (cont.)
psychology 152.4
suggesting color psychol. 152.77124
synesthetic " 152.774
tetrahedron physiol. 612.87012
psychol. 152.4012
Tatar
horses (Equidae)
dom. animals 636.11
languages 494.3
sheep (Bovidae)
domestic animals 636.385
Tatarism psychology 132.24324
Tatary history 950
Tate co., Miss. history 976.285
Tati district " 968.9228
Tatoosh Range, Wash " 979.782
Tatsienlu, China " 951.37
Tatting dom. economy 646.26
fancywork 746.43
industry 677.66
Tattnall co., Ga history 975.8775
Tattooing
customs & manners 391.7
Tatung, China history 951.17
Taungs " 968.7875
Taupenot process phot. 772.14
Taurocholic acid physiol. 612.35715
Taurus occult astrology 133.522
Tausen, Hans Dan. poet. 839.8112
Tautomerism chemistry 541.7
Taverns architecture 725.72
dom. economy 647.94
hyg. of dwellings 613.52
[4] Tavghi language 494.412
Tax
administration pub. fin. 336.292
burden distrib. " " 336.294
delinquency sales " " 336.292
exemption " " 336.294
farming " " 336.292
fraud excises 336.2718
pub. finance 336.294
rates " " 336.293
title private law 347.2
Taxales botany 585.22
Taxation
and land development
city planning 711.14
business expenses 658.171
double pub. finance 336.294
farm finance 631.112
forest finance 634.92846

Taxation (cont.)
local
government 352.1
offices architecture 725.147
school support 379.13
military support 355.21
motor vehicles 629.21342
of poor sociology 362.535
schools education 379.121
public finance 336.2
for specific types see subject
railway finance 385.135
systems pub. finance 336.291
waterways finance 386.135
Taxicab stands city plan. 711.73
Taxicabs local transit 388.3
motor vehicles 629.2223
operation 629.2833
Taxidermy
biologic collecting 579.4
museum economy 069.4596
Taximeters manufactures 681.124
mot. veh. equip. 629.2733
Taxis botany 581.1834
Taxodiaceae " 585.211
Taxonomy " 580.12
forestry 634.97
zoology 590.12
Taylor
Bayard American poetry 811.46
Zachary
campaign, 1846–47
US history 973.6233
pres. US history 973.63
Taylor
county, Fla history 975.986
Ga " 975.849
Ia " 977.779
Ky " 976.967
Neb " 978.296
WVa " 975.455
Wis " 977.526
grape viticulture 634.843209
system business meth. 658.01
theorem algebra 512.4
Tazewell co., Ill hist. 977.354
Va " 975.576
Tch-, *see* Ch-
Te Deum music 783.29
Tea
adulterations 614.347
and nutrition physiol. 612.3932
beverage cookery 641.87
blending chemic tech. 663.9
Tea (cont.)
gardens landscape art 712.543
houses " " 717.682
hygiene 613.37
Jesuits' (Ilicaceae)
field crops 633.77
leaf reading divination 133.324
tax on Amer. revol. 973.3115
(Theaceae) field crops 633.72
Teacherages architecture 727.1
education 371.164
Teachers 371.1
aid societies educ. 371.17
and community " 371.104
parents " 371.103
superior officers 371.101
appointment of educ. 371.1422
apprentice " 370.733
[1] **biography . 923.7**
certificates education 371.133
clubs " 370.62
[1] **colleges** " 370.73
lib. courses in 020.717
compensation educ. 371.16
cooperation & duties 371.101
election of educ. 371.1422
employment bureaus " 371.145
ethics " 371.101
expenses, allowance for 371.163
experience & growth 371.12
health education 371.11
improvement 371.12
influence, personal 371.102
[1] **institutes education 370.72**
licenses " 371.133
[1] **meetings** " 370.71
men vs women as 371.18
mission education 371.101
nagging " 371.11
pensions & insur. " 371.17
personal relations " 371.1
private education 373.1
privileges
library book loans 024.71
problems education 371.101
professional status 371.15
promotion educ. 371.165
qualifications " 371.11
rating of " 371.134
registration " 371.133
relations with libraries 021.31
resident vs non-resident 371.1
responsibilities of 371.101
school force 371.1473

Teachers (cont.)
service, amount of 371.166
termination of 371.1426
Sunday schools 268.37
training
classes for 370.75
education 370.7
for admin. positions 370.76
kind & amount of 371.12
museum economy 069.15
transfer & exchange of 371.1425
universities & colleges 378.12
virtues education 371.11
visiting
crime prevention 364.45
school & community 371.103
Teaching
as profession educ. 371.15
correspondence
self-education 374.4
depts Sunday schools 268.43
dramatic educ. meth. 371.3325
force, organization of 371.147
freedom of education 371.1
polit. sci. 323.444
univ. & col. 378.121
load teachers 371.166
personnel education 371.1
practise " 370.733
rote " 371.31
technic schools 371.3
Sunday schools 268.6
in specific fields
[2] see subj. —07
Team work bus. manage. 658.01
teaching body 371.101
Tear apparatus, *see*
Lacrimal apparatus
Tearooms architecture 725.71
dom. economy 647.95
Teazel (Dipsaceae) bot. 583.541
Technical
dictionaries useful arts 603
education
economics 331.86
[1] **useful arts** 607
vocational guidance 371.426
workmen's equip. 331.114
in other specific fields
[2] see subject —07
method, in specific
[2] fields see subject —018
Technical (cont.)
periodicals journalism 070.486
schools
[1] **admission** 371.215
architecture 727.46
higher education 378.99
training for
teaching in 370.73265
terms, in specific
[2] fields see subject —01433
troops mil. science 358
Technocracy polit. econ. 330.196
Technologic schools
[1] **useful arts** 607
Technology 600
chemic 660
Tectibranchia zoology 594.37
Tectospondyli ichthyology 597.35
Teda country history 967.48
Tedders agriculture 631.3531
Teeswater
cattle (Bovidae) dom. anim. 636.2223
sheep " " " 636.3216
Teeth anatomy 611.314
dentistry 617.6
physiology 612.3111
school hygiene 371.712
toilet 646.7
Teetotalism temperance 178.2
Teetotun games 795.2
Tegel, E G Swedish lit. 839.7822
Tegmentum
hindbrain anatomy 611.8173
midbrain " 611.81543
Tegnér, Esaias Swed. poet. 839.7163
Tehama co., Calif. hist. 979.427
Tehuantepec
canal commerce 386.447
engineering 626.909727
Isthmus of history 972.7
Teichmann's crystals
physiology 612.11116
Teita history 967.66
Tela subcutanea anatomy 611.779
Telae choroideae " 611.8192
Telamons architecture 729.326
Telautograph
telegraphy 621.3826
writing mediums 652
Telecommunication
apparatus manufactures 681.63
electric engineering 621.38
Telegony biology 575.136

Telegraph
administrative control 351.817
and longitude finding
astronomy 525.47
buildings architecture 725.23
business 654
cables manufactures 677.73
electricity 537.81
lines forest eng. 634.93486
news channels
journalism 070.4311
perforating elec. eng. 621.3822
poles electric lines 621.319223
sociology 384.1
submarine elec. eng. 621.3828
systems, early 621.38221
high speed 621.3824
printing 621.3825
underground elec. lines 621.31923
wires city planning 711.83
Telegraphic
codes electric eng. 621.38215
constr'n business 654.4
elec. eng. 621.3192
instruments business 654.1
elec. eng. 621.383
Telegraphone
electric engineering 621.389
radio recorders 621.3841365
Telegraphy
and telephony, combined 621.38295
electric engineering 621.382
facsimile elec. eng. 621.3827
military engineering 623.732
radio " 621.3842
Telekinesis spiritism 133.922
Telemeters ballistics 623.54
elec. eng. 621.379
photography 771.37
surveying 526.91
Telencephalon anatomy 611.813
Teleology metaphysics 124
Teleostei ichthyology 597.5
Telepathatic
clairvoyance & clair-
audience 133.830161
frauds humbugs 133.782
theories psychology 133.8201
Telepathy hypnotism 134.52
psychology 133.82
spiritism 133.90162
Telephone
booths library bldg 022.683
business 654.6
cables manufactures 677.73
Telephone (cont.)
electricity 537.82
equip. electric eng. 621.386
exchanges architecture 725.23
hearing theory physiology 612.8501662
psychol. 152.201662
lines city planning 711.83
forest eng. 634.93486
operators office econ. 651.3744
radio, *see* Radio-telephone
receivers radio 621.3841364
systems " 621.3841522
Telephones
administrative control 351.817
domestic economy 643.6
library equipment 022.948
news channels
journalism 070.4311
office equipment 651.262
school " 371.629
sociology 384.6
Telephony
and telegraphy, combined 621.38295
electric engineering 621.385
military " 623.733
radio " 621.3845
Telephotography elec. 537.82
f. arts 778.32
Teleplasmy spiritism 133.923
Telepost syst. telegraphy 621.38247
Telescopes
astronomy 522.2
equatorial astron. 522.46
famous " 522.29
manufactures 681.412
optics 535.83
zenith astronomy 522.43
Telescriptors mfg 681.6134
Telethesia spiritism 133.93
Television admin. control 351.817
educ. meth. 371.3358
electric eng. 621.388
electricity 537.82
recreation 791.4
Telfair co., Ga history 975.884
Telford roads engineering 625.86
Teliosporeae botany 589.224
Teller co., Colo history 978.858
Tellez, Gabriel Sp. drama 862.33
Telling numismatics 737.44
Tellurates mineralogy 549.77
Tellurids " 549.3
Tellurium chemistry 546.24
Telophase veget. cytol. 581.876235
Telpherage mech. eng. 621.868

Telugu language 494.813
Tembuland history 968.65
Temiscouata co., Que hist. 971.476
Temmu Jap. history 952.0146
Temper ethics 179.8
Tempera colors painting 751.233
painting f. arts 751.43
Temperament
criminal psychology 364.34
genius 151.124
personality 137.4
Temperance
ethics 178
hygiene 613.81
in laboring classes 331.84
laws admin. control 351.761
legislation ethics 178.4
reformation " 178.6
songs music 784.68178
Temperate
regions
effect of floric. 635.9523
radio transmission 621.384115522
veget. ecology 581.524442
type personality 137.45
zone birth rate 312.1
farming in 631.0912
Temperature
aeronautics 629.13242
agricultural hindrances 632.11–.12
and metabolism
physiol. chemistry 612.01535
nitrogenous excretion physiology 612.461235
respiration physiol. 612.225
strength of materials engineering 620.1121
animal heat 612.5
chromisms psychology 152.771252
diagnosis 616.0755
forest ecology 634.94723
hygiene 613.18
occupational 613.64
influence
radio transmission 621.38411552
of air meteorology 551.52
body physiology 612.56
soil agriculture 631.436
space astronomy 523.14
perception physiology 612.882
psychology 152.5732
phonsims " 152.77252
physiology 612.5
proofing bldg indus. 693
Temperature (cont.)
properties of living matter 577.4
regulation physiology 612.53
respiratory
physiologic botany 581.12136
zoology 591.12
sensations, synesthetic psychology 152.7752
standards of base measuring geodesy 526.21
therapeutics 615.832
thermology 536.5
vegetable ecology 581.5422
Tempering metal mfg 671
physics 539.54
piano music 786.23
Tempietti landscape art 717.682
Templars, knights
heraldry 929.712
secret societies 366.1
Temples
architecture 726
comparative religion 291.35
non-Chr. architecture 726.1
student soc. premises 371.86
textile equipment 677.02854
see also special fibers
Temporal
artery anatomy 611.13327
bone " 611.7153
lobe " 611.81313
muscle " 611.73272
power church & state 261.73
history 270.4
papacy 262.132
Temporary
dwellings architecture 728.18
halls " 725.92
Temporomaxillary joint
anatomy 611.724
Temporosphenoid lobe anat. 611.81313
Temptation Christology 232.952
doc. theology 233.2
Ten Commandments Bible 222.16
states Chinese hist. 951.018
Tenancy land economics 333.53
private law 347.2
Tenant and landlord
land economics 333.54
Tendencies
convergence of
psychology of instinct 158.42425
inhibition of
psychology of instinct 158.42426
psychology of instinct 158.4244

Tenders, battery ordn. 623.4316
locomotive eng. 621.136
siege ordnance 623.4324
Tendon senses physiology 612.885
psychology 152.6735
Tendons anatomy 611.74
pathology 616.75–.76
physiology 612.755
Tendrils leaf morphology 581.4976
root " 581.4986
stem " 581.49562
Tenement areas city plan. 711.583
houses " " 711.667
Tenements
architecture 728.1
domestic economy 647.91
hygiene of dwellings 613.53
laboring classes 331.833
Tenerife history 964.91
Tenji Jap. history 952.0144
Tennessee
county, Tenn history 976.845
River
hills, Miss. history 976.296
valley
Ala history 976.19
east, Tenn " 976.88
history 976.8
lower, Ky hist. 976.99
west, Tenn " 976.83
state
admission US hist. 973.43
history 976.8
see note under Virginia
secession US history 973.713
Tennis
court structures
landscape art 717.687
courts landscape art 712.547634
sports 796.34
table recreation 794.7
Tennyson, Alfred
English poetry 821.81
Tenon's capsule anatomy 611.7146
Tenotomy surgery 617.47
Tenpins recreation 794.6
Tensas parish, La. hist. 976.379
Tense signs
English etymology 422.8
[3] other lang. —28
Tenses English syntax 425.8
[3] other lang. —58
Tension
in plants botany 581.1825
negative physiol. bot. 581.11562
Tension (cont.)
superficial mesology 612.0144628
tests eng. materials 620.11241
wheels motor vehicles 629.2483
Tensor fasciae latae anat. 611.73815
palati " 611.73276
tarsi " 611.7325
tympani " 611.857
Tent
caterpillars (Bombycina)
agricultural pests 632.787
dwellings archeology 571.86
factories architecture 725.4131
furnishings mfg 685.536
life hygiene 613.67
Tentacles veget. morphol. 581.4781
Tentacular development
city planning 711.416
Tenting recreation 796.54
Tentorium cerebelli anat. 611.8195
Tents manufacturers 685.531
military equip. 355.81
phot. fine arts 771.25
Tentyris (Denderah) hist. 962.33
Tenure of
land polit. economy 333.3–.4
private law 347.2
office civil service 351.4
library gov't 023.2
teachers 371.1424
Teocalli architecture 726.197
Tepic history 972.3
Ter Kuile hearing theory
physiology 612.8501665
psychology 152.201665
Teratology
anatomy 611.012
biology 574.22
botany 581.22
hygiene of progeny 613.91
neurology 616.8
plant breeding 631.523
psychology 132
somatology 573.9
surgery 617.3
zoology 591.2
Terbium chemistry 546.653
Terebrantia entomology 595.791
Terentius Afer, Publius
Latin drama 872.5
Teres muscles anatomy 611.73714–15
Teresa de Jesús, Santa
Spanish literature 868.33
Terfeziaceae botany 589.238
Terkelsen, Sören Dan. poet. 839.81137

Term paper educ. method 371.32
Terminal
bud stem anatomy 581.49525
charges, express
railways 385.132391
telephone apparatus
engineering 621.386
Terminalia catappa (Combretaceae) nuciculture 634.555
Terminals
city planning 711.77
railway architecture 725.312
commerce 385.3
freight archi. 725.32
voltaic cells 621.3526
Termination mil. service 355.114
Terminology, anat. med. 611.0114
metaphysics 112
music 781.23
in other specific fields
[2] see subject —014
Termites (Corrodentia)
domestic pests 648.7
Terms
school calendar 371.23
in 2 or more places 371.234
Tern
Islands bird reservations
La. description 917.6337
(Longipennes) ornithol. 598.42
Ternstroemiaceae botany 583.166
Teroldigo grape vitic. 634.8545
Terpenes painting solvent 751.247
Terra di Otranto history 945.753
Terrace roofs
architectural constr'n 721.592
Terraced gardens
landscape art 712.6245
Terraces
block bldg city plan. 711.62
geology 551.35
landscape art 717.72
Terracing agric. eng. 631.613
Terra-cotta
and iron
architectural constr'n 721.973
ceramics 738.6
chemic technology 666.6
columnar constr'n 721.34
construction masonry 693.3
works architecture 725.486
Terrain and tactics
military science 355.423
Terrapin culture 639.3799
fishery 639.2799
Terre
Bonne co., Que hist. 971.424
Haute, city, Ind " 977.245
Terrebonne parish, La.
history 976.341
Terrell co., Ga history 975.8935
Terrestrial
magnetism physics 538.7
paradise, *see*
Paradise, earthly
Terret grape viticulture 634.8544
Territorial
credit fin. economics 332.72
representation legis. 328.3342
Territorials
military organization 355.351
Territories organization
and slavery
US Civil war causes 973.7112
US constitutional law 342.73
Territory
acquisition polit. sci. 320.126
alienation " " 320.127
political science 320.12
unity of
theory of nation 320.124
Terror, reign of, 1793–94
French history 944.044
Terrors, night dreams 135.323
Tertiary period geology 551.78
Tertullian philosophy 189.2
Teshio history 952.49
Teso " 967.615
Tessellation mosaics 729.76
Tessin, C G Swed. lit. 839.7841
Test laws Eng. ch. hist. 274.2
tubes prac. chem. 542.231
Testacea zoology 594
Testament
New 225
pseudepigrapha 229.92–.95
see also Bible, Biblical & names of specific parts
of Hezekiah
pseudepigrapha 229.913
Old 221
pseudepigrapha 229.91
see also Bible, Biblical & names of specific parts
Testamentary law jurispr. 347.6
Testaments pseudepigrapha 229.914
Testamurs, *see*
Academic degrees

Testi, Fulvio It. poet. 851.53
Testicles anatomy 611.631
pathology 616.68
physiology 612.616
Testimonials
advertizing 659.1326
labor service records 331.123
Testimony
legal procedure 347.94
math. probabilities 519.3
medical law 340.6
pub. health 614.23
Testing
electric engineering 621.37
equipment
mot. veh. materials 629.2332
grounds military estab. 355.74
industrial management 658.573
methods
mot. veh. materials 629.2333
shop engineering works 621.795
Tests
admin. of, in specific
[2] fields see subject —000368
aptitude psychology 151.223
chemic analysis sci. 543
educational schools 371.26
mental childstudy 136.702
psychology 151.2
schools 371.26
mot. veh. operation 629.2824
of materials engineering 620.112
mot. veh. 629.233
seeds forestation 634.95625
psychologic 151.2
childstudy 136.702
criminology 364.3018
public, in specific
[2] fields see subject —0791
selecting labor demand 331.1151
special capacity psychol. 151.223
Testudinata (Chelonia)
herpetology 598.13
Tetanic muscular contraction physiology 612.74113
Tetanus pathology 616.854
surgery 617.27
Tete, Africa history 967.96
Tête-à-tête seats
domestic economy 645.42
Tether-ball sports 796.34
Teton co., Ida history 979.654
Tetrabranchia zoology 594.51
Tetracorolla paleozool. 563.61
zoology 593.61
Tetracyclic sympetalae
inferae botany 583.51-.591
superae " 583.7-.8
Tetradiclidoideae (Zygophyllaceae) botany 583.221
Tetragonia expansa (Aizoaceae) garden crops 635.4
Tetramera entomology 595.768
Tetramitaceae botany 589.9746
Tetraphidales " 588.2142
Tetrasporales " 589.47532
Tetrasporineae " 589.451
Tetuan history 964.2
Teutonic
knights heraldry 929.713
languages 439
religions biography 922.93
Teutonicisms
German etymology 437
Polish " 491.8524
[3] other lang. —24
Texas
county, Mo history 977.884
Okla " 976.6135
state
annexation
resolution US hist. 973.58
US history 973.61
history 976.4
see note under Virginia
independence US hist. 973.56
secession " " 973.713
steer (Bovidae)
domestic animals 636.2821
Texel
cheese dairy industry 637.3551
sheep (Bovidae)
domestic animals 636.3311
Textbooks
educational methods 371.32
free child welfare 362.764
public schools 379.153
standardization of
education 371.32
state educ. gov't 379.156
state public schools 379.156
in specific fields
[2] see subj. —02
Textile
auxiliary industries 677.8
fibers field crops 633.5
gloves manufacture 685.44-.46

Textile (cont.)
hangings bldg industry 698.7
dom. economy 645.2–.3
machinery business 677.0285
see also special fibers
materials mfg 677.0283–4
see also special fibers
mills 677
architecture 725.412
processes manufactures 677.0282
see also special fibers
production economics 338.47677
products mfg 677.0286
see also special fibers
specimens museum econ. 069.477
surfaces painting, art 751.227
technic mfg 677.028
see also special fibers
tests manufactures 677.0287
Textiles
archeology 571.54
arts & crafts 745.52
chemically treated mfg 677.02867
see also special fibers
darkroom photography 771.24
domestic economy 646.1
furnishings 645.48
glazed, waxed, etc. 677.68
Indian history 970.6677
manufactures 677
mot. veh. materials 629.232347
pile & plain 677.61
printing machines for 681.6256
reversible & double warp 677.61
special mfg 677.6
state inspection 614.37
surfaces painting, art 751.227
weaving products 677.02864
see also special fibers
Texts
comparative philology 418
English language 428.8
[3] other " —88
for learning Eng. lang. 428
[3] other " —8
original Bible 220.4
Texture
hand palmistry 133.622
landscape art 712.26
Thaarup, Thomas
Danish drama 839.81255
Thaba-N'Chu history 968.57
Thackeray, W M Eng. fict. 823.82
Thailand history 959.3
Thais lapillus (Prosobranchia) agriculture 638.38
Thalamencephalon anat. 611.814
Thalamiflorae botany 583.11–.193
Thalamus anatomy 611.8147
physiology 612.8261
Thales philosophy 182.1
Thallium
accumulators elec. eng. 621.357
chemistry 546.52
processes photography 772.53
Thalloid structures bot. 581.492
Thallophyta botany 589
Thallophytic diseases pathologic botany 581.2327
Thames
process photography 778.66
River
Eng. history 942.2 .
Ont battle, 1813
US history 973.5235
Thanksgiving day
school holiday 371.365
sermons homiletics 252.6
social customs 394.268
Thar goat (Bovidae)
domestic animals 636.39854
Tharot grape viticulture 634.8544
Thasos history 949.91
ancient 939.11
Thatched products mfg 677.541
Thatuna Hills, Ida hist. 979.686
Thaumaturgists
comparative religion 291.62
Thaumaturgy doc. theol. 231.73
occultism 133.4
Thayer co., Neb history 978.2335
Thea sinensis field crops 633.72
Theaceae botany 583.166
Theales " 583.16
Theater
and crime sociology 364.254
curtains, adver. on bus. 659.137
ethics 175.2
in library building 022.651
music 782
scenery painting 751.75
seats architecture 729.935
Theaters
architecture 725.82
city planning 711.668
hygiene of dwellings 613.55
open air lands. art 717.686
recreation 792
Theatric dancing recrea. 793.32
Theatricals
in prisons sociology 365.665

Theatricals (cont.)
private ethics 175.2
recreation 793.1
Theatrographs photography 778.52
Theban
goat (Bovidae) dom. anim. 636.39862
supremacy Greek hist. 938.06
Thebes, Egypt history 962.33
ancient 938.4
Thecae veget. embryology 581.3243
Thecatoidae botany 589.97332
Theft criminal law 343
insur. business 368.82
museum economy 069.54
Theineae botany 583.16
Theism doctrinal theol. 231
natural " 211
Thelephoraceae botany 589.222
Theliaceae " 588.21512
Theloschistaceae " 589.171
Thelotremataceae " 589.171
Thelygonaceae " 583.9152
Thematic catalogs music 781.9735
Themes educ. methods 371.32
Themistocles Gk letters 886.1
Theobald 4 Fr. poetry 841.16
Theobroma cacao (Sterculiaceae) field crops 633.74
Theocracy, Chr. ch. & state 261.73
comp. religion 291.61
Theocritus Gk lyric poet. 884.6
Theodicy doctrinal theol. 231.8
natural " 214
Theodolite surveying 526.91
Theodosius 3 Byzant. hist. 949.501
Theodotion version Bible 221.48
Theognis Greek poetry 881.1
Theologians 206.9
biography 922
Theologic
[1] **education religion** 207
seminaries archi. 727.42
education 378.992
Theology, comparative 290
Christian 230
devotional 240
didactic 241
doctrinal, Chr. 230
non-Chr. 291.2
[1] **historical** 209
hortatory 243
natural 210
pastoral 250
patristic 230.1
Theology (cont.)
polemic 239
practical 240
systematic 230
Theophanies doc. theol. 231.74
Théophile de Viau Fr. wit 847.41
Theophrastaceae botany 583.678
Theophrastus philosophy 185.2
Theorbo music 787.6
Theory
[2] in specific fields see subj. —01
Theosophy philosophy 149.3
religion 212
Therapeutics 615.5
ancient & medieval 615.89
Thermal detectors radio 621.38413627
Thermesthesimeters
psychophysics 152.82452
Thermic
centers physiology 612.535
effects of muscular work
physiology 612.7453
rigidity physiology 612.591–.592
topography " 612.563
Thermionic tubes radio 621.384132
Thermionization elec. 537.53
Thermo-
chemistry science 541.36
dynamic
theory chemodynamics 541.39
value metabolism 612.39
see also names of specific food elements
dynamics
and chem. thermochem. 541.36
physics 536.7
steam engineering 621.101
element radio 621.384175
galvanometers radio 621.384175
genesis physiology 612.51
nastic movements bot. 581.18334
polypnea physiology 612.223
siphons motor vehicles 629.25632
taxis botany 581.183444
physiology 612.53
therapy 615.832
tropism botany 581.183244
Thermology physics 536
Thermolysis physiology 612.52
Thermometers
aircraft equipment 629.1358
electric engineering 621.379
manufactures 681.2
steam engineering 621.1977

Thermometry diagnosis 616.0755
meteorology 551.52
physiology 612.56
physics 536.51
Thermoscope " 536.5
Theses
for degree univ. & col. 378.242
Sunday schools 268.682
Thessalonians, epistles to 227.81–.82
Thessalonikē, *see* Salonika
Thessaly hist., ancient 938.2
Theuerdank Ger. poetry 831.36
Thianshan, China descr. 915.16
Thiard, Pontus de
French poetry 841.35
Thibaud I French poetry 841.16
Thibet, *see* Tibet
Thickets landscape art 715.268
Thielsen, Mt, Ore descr. 917.9591
Thiépval Eur. w., 1916 940.4272
1918 940.4353
Thiers, Adolphe Fr. hist. 944.08
Thigh anatomy, regional 611.982
muscles anatomy 611.7382
Thigmotaxis botany 581.18346
mesology 612.014478
Thigmotropism botany 581.18326
Thinking
autistic psychology 135.37
educational methods 371.34
out psychology 153.6
psychology 153
Thinning, tree lands. art 715.241
Thinnings forest products 634.98982
silviculture 634.9535
Thiobacteriales botany 589.952
Third
class cars, passenger rates
railways 385.132255
rail system
electric traction 621.33156
lines 621.3323
Thirst
physiology 612.391
sensations physiology 612.88
psychology 152.67393
Thirty
and forty card games 795.42
years war
European history 940.24
German " 943.041
Scandinavian " 948.04
Thirty-one card games 795.42
Thirty-nine articles
Anglican creed 238.3
sectarian history 283.42
Thistles
(Carduaceae) botany 583.5533
sow- (Liguliflorae) " 583.552
Thomas à Kempis theol. 242.1
Aquinas philos. 189.4
co., Ga history 975.898
Kan " 978.113
Neb " 978.2774
Thomasville, Ga " 975.8981
Thompson, D P Amer. fict. 813.31
Thomson, James Eng. poet. 821.56
Thomsonianism therap. 615.855
Thoracic
aorta anatomy 611.135
arteries " 611.1341
cord " 611.8213
duct " 611.424
pathology 616.42
physiology 612.4231
lymphatic glands anat. 611.464
lymphatics anatomy 611.4214
muscles " 611.735
nerves " 611.834
sympathetic nerves
anatomy 611.8392
physiology 612.892
Thoracostraca zoology 595.38
Thorax
anatomy, regional 611.94
expansibility physiol. 612.217
osteology 611.712
Thoreaceae botany 589.416
Thoreau, H D Amer. lit. 818.31
Thorild, Thomas Swed. poet. 839.7155
Thorium chemistry 546.841
processes phot. 772.65
Thorn-headed worms (Acanthocephali) pathology 616.966
Thorns stem morphology 581.49562
Thorough-bass music 781.3
Thoroughfares city plan. 711.73
Thorvald Amer. history 973.13
Thought
and lang. in reasoning
psychology 153.652
free natural theology 211
imageless, in reasoning
psychology 153.652
in judgment psychology 153.544
new " 131.324

Thought (cont.)
photography f. arts 778.8
psychology 153
transference telepathy 133.82
Thousand
Islands, NY history 974.758
Springs, Ida descr. 917.9636
Thrace history 949.7
ancient 939.89
Threadworms (Nematoda)
pathology 616.965
Three
bodies, problem of
astronomy 521.13
Brothers islands hist. 969.7
children, Song of
Apocrypha 229.5
color theory
physiology of vision 612.84330163
psychology " " 152.1330163
kingdoms Chinese hist. 931.07
Sisters nat'l forest, Ore
description 917.9531
wire elec. transmission
alternating engineering 621.3191323
direct " 621.319123
Threshers agriculture 631.361
steam eng. 621.156
Threshing
barns architecture 728.956
for market agric. crops 631.5612
Threshold
law psychophysics 152.8212
measurements " 152.825
Thrift
department banking 332.24
ethics 179.9
in laboring classes 331.84
wealth consumption 339.43
Thripidae entomology 595.731
Thrips (Thysanoptera)
agricultural pests 632.731
Throat anat., regional 611.93
pathology 616.31
prot'n indus. san. 628.512
surgery 617.53
Throb, *see* Pulse
Thrombin physiology 612.11512
Thrombosis, venous
obstetrics 618.77
Thrones architecture 729.933
Throstles textile equip. 677.02852
see also special fibers
Throttle
governors mot. veh. 629.2583
locomotive engineering 621.1349
Through
passenger rates railways 385.132235
terminals railways 385.35
Throwing games sports 796.3
textile process 677.02822
see also special fibers
Thrush (Acromyodi)
ornithology 598.81
Thrust
aerodynamics 629.13233
balancing steam turbines 621.16536
hoe farming 631.3152
Thucydides Greek classics 888.2
Thugs comp. religion 299.11
Thuidiaceae botany 588.21512
Thujopsidaceae (Thuyopsidaceae) botany 585.215
Thulium chemistry 546.697
Thunbergioideae (Acanthaceae) botany 583.86
Thunder
Bay district history 971.312
divination 133.334
physics 537.4
storms
agric. hindrances 632.15
meteorology 551.55
worship comp. relig. 291.2125
Thurible ecclesiology 247.9
Thuringia history 943.22
Thuringian fowls (Gallinae)
agriculture 636.538
Thurniaceae botany 584.391
Thurston co., Neb hist. 978.2227
Wash " 979.779
Thurstone omnibus test
psychology 151.22232
Thuyoideae
(Thujoideae) bot. 585.215
Thyme (Lamiaceae)
garden crops 635.71
Thymelaeales botany 583.933
Thymus anatomy 611.43
pathology 616.43
physiology 612.43
Thyrocervical trunk anat. 611.1347
Thyrohyoid muscle " 611.7335
Thyroid
artery anatomy 611.13321
cartilages " 611.221
gland " 611.44
pathology 616.44
physiology 612.44
veins **anatomy** 611.1451
Thyroidectomy physiology 612.445
surgery 617.44

Thysanoptera entomology 595.731
Thysanura agric. pests 632.71
entomology 595.71
Tiaras fine arts 739.27
Tibbu country history 967.48
Tibesti " 967.49
Tibet
goat (Bovidae)
dom. animals 636.3985
history 951.5
Near, China history 951.47
shawl goat (Bovidae)
dom. animals 636.39854
Tibetan language 495.4
Tibia anatomy 611.7185
Tibial
artery, anterior anat. 611.13787
posterior " 611.13791
glands, anterior " 611.4684
nerve " 611.83587
anterior " 611.83586
veins " 611.14737
Tibialis anterior anat. 611.73841
posterior " 611.73857
Tibiofibular joint " 611.72841
ligaments " 611.72838
trunk " 611.1379
Tibiotarsal ligaments " 611.72844
Tibouren grape vitic. 634.8544
Tibullus, Albius
Latin lyric poetry 874.3
Tic douloureux pathology 616.87
Ticka cameras phot. 771.3136
Ticker services
investment finance 332.61
Tickers
radio engineering 621.3841335
stock telegraphy 621.38251
Ticket
of leave criminology 364.62
offices, railway archi. 725.316
voting suffrage 324.222
Ticking textile mfg 677.02864
see also special fibers
Ticklers
office fittings 651.4658
records, temporary 651.57
Tickling physiology 612.883
psychology 152.5733
Ticks (Acarina)
parasitic diseases 616.9685
Ticonderoga, NY
capture
American revolution 973.3314
history, colonial 973.26
Ticonderoga, NY (cont.)
evacuation Amer. revol. 973.3332
history 974.753
Tidal
distribution astronomy 525.63
river ports commerce 387.123
wave astronomy 525.65
Tiddledywinks games 793.75
Tide
predicting & registering
machines astronomy 525.68
tables astronomy 525.69
Tides astronomy 525.6
hydraulic eng. 627.5
physiography 551.46
Tidewaters maritime law 347.7
Tidikelt history 965.7
Tieck, J L Ger. fiction 833.73
Tienmoshan, China hist. 951.242
Tienshan, China descr. 915.16
Tientsin
China history 951.154
massacre hist. 951.038
jute (Malvaceae)
field crops 633.561
Tieplates railway eng. 625.14
Tierce games 794.2
Tiercerons
vaulting construction 721.456
Tierra del Fuego history 982
Tiers library stacks 022.44
Ties railroad eng. 625.14
Tieteaceae botany 587.38
paleobotany 561.738
Tiffin, O history 977.1241
Tiflis " 947.9
Tift co., Ga " 975.888
Tiger-bettle (Adephaga)
entomology 595.762
Tigers (Felidae) mammalogy 599.74428
Tightrope walkers recrea. 791.1
Tigré history 963
language 492.87
literature 892.8
Tihwa, China history 951.6
Tile
and iron
ceilings archi. 721.73
structures " 721.974
constr'n masonry 693.3
drains
agric. reclamation 631.62
floors
hollow archi. constr'n 721.63
ornamental " " 721.68

Tile (cont.)
incrustation archi. dec. 729.61–.62
roofs archi. constr'n 721.53
surfaces painting, art 751.2267
Tiles
building industry 691.4
chemic technology 666.7
colored roof constr'n 721.566
ornamental ceramics 738.63
strength of engineering 620.14
Tiliaceae botany 583.19
Till area, Neb history 978.226
geology 551.33
Tillage agriculture 631.51
Tillamook co., Ore hist. 979.544
Tilletiaceae botany 589.2272
Tillman co., Okla hist. 976.646
Tilopteridales botany 589.453
Timbalier Bay, La. descr. 917.6339
Timber
bonds forest finance 634.92845
building industry 691.1
dry fallen forestry 634.98983
estimation " 634.9285
forest resources 634.9273
manufactures 674
mining forest products 634.9837
piles
archi. foundations 721.142
platform foundations
architecture 721.162
production
forest policy 634.925145
products, manufactured
economics 338.47674
risks forest finance 634.92844
slides logging 634.98255
surveys forestry 634.928332
tests engineering 620.12
trade economics 338.1749
valuation of forestry 634.928426
Timbering
archi. foundations 721.12
bridge engineering 624.152
mining 622.28
Timbo history 966.54
Timbre
acoustics 534.5
physiology of hearing 612.8587424
psychology " " 152.287424
vocal music 784.92
physiology 612.784
Timbuktu history 966.24
Time
accounting, *see*
Accounting, Time records
allowances in production
industrial manage. 658.543
and intensity
phot. sensitometry 771.5345
motion metaphysics 115
space cosmology 115.4
apparent chronology 529.1
cards shop management 658.531
chronology 529
clocks manufactures 681.1187
office admin. 651.4211
shop management 658.5311
see also Time records
cosmic chronology 529.77
disposal of office staff 651.412
distrib. of chronology 529.76
exposure apparatus phot. 771.36
finding chronology 529.7
navigation 527.3
flowering floriculture 635.953
inequality causes
chronology 529.1
keepers astronomy 529.78
lost labor economics 331.816
library economy 023.641
office " 651.4241
of day hygiene 613.13
office administration 651.41
perception psychology 152.753
pruning agriculture 631.54217
reaction, *see* Reaction time
reckoners horology 681.118
records library econ. 023.611
office files 651.66
shop manage. 658.53
required for degree
univ. & col. 378.241
scale photography 771.5345
study indus. manage. 658.5421
systems & standards
chronology 529.75
Timepieces horology 681.11
Timers mot. veh. ignition 629.2547
Timetables transport 656
Timmiaceae botany 588.21411
Timon philosophy 186.1
Timothy, epistles to 227.83–.84
Timothy (Agrostideae)
field crops 633.24

Tin
  and vanadium groups
    chemistry **546.8**
  coinage metals 332.418
  metallurgy 669.6
  mineralogy 549.2
  mining 622.345
    archeology 571.31
  ores economic geology 553.45
  processes photography 772.62
  products manufactures 671
  work fine arts **739.532**
Tinctorial processes
  photography 773.53
Tingis ancient history 939.71
Tinsel in clothing
  domestic economy 646.19
Tinting laundry business 648.27
  phot. apparatus 771.45
    prints 770.2843
Tints school walls 371.634
Tintypes photography 772.14
Tioga co., NY history 974.777
  Pa " 974.856
Tipcat games 796.24
Tippah co., Miss. hist. 976.292
Tippecanoe
  county, Ind history 977.295
  River, Ind, battle, 1811
    US history 973.51
Tipperary history 941.92
Tipples mine archi. 725.431
Tips wages 331.238
Tipsters stock brokers 332.62
Tipton co., Ind history 977.2555
  Tenn " 976.817
Tiraboschi, Girolamo
  Italian essays 854.63
Tirant lo Blanc
  Catalan fiction 849.933
Tire racks mot. veh. 629.2742
Tires motor vehicles **629.2486**
  railway eng. 625.21
Tirol Eur. w., 1915 940.4248
  1916 940.4274
  history 943.64
  Italian history 945.3
Tirso de Molina, *pseud.*
  Spanish drama 862.33
Tiryns ancient history 938.8
Tishomingo co., Miss. hist. 976.2995
Tissue tension and growth
  botany 581.13413
Tissues
  albuminoids in physiol. 612.3987
  animal
    histology 591.8
    thermal conductivity of
      physiology **612.52**
  carbohydrates in
    physiology 612.3967
  cellular, absorption by
    physiology 612.388
  connective anatomy **611.74–.76**
    histology **611.0182**
    pathology 616.75–.77
    physiology **612.75**
  embryonic botany 581.3322
  fat in physiology 612.3977
  gas exchange between
    blood and physiology 612.261
  mechanical stem anat. 581.49535
  neural, chemistry of
    physiology 612.8221
  respiration of physiol. **612.26**
  uric acid in " 612.461259
  vegetable ecology **581.52253**
    histology **581.8**
Titan Greek mythology 292
Titanium
  chemistry 546.82
  oxid arcs
    electric lighting 621.3256
  processes photography 772.63
Titanotheriidae
  mammalogy 599.7264
  paleozoology 569.7264
Titcomb, Timothy, *pseud.*
  American essays 814.34
Tithe barns architecture 726.44
Tithes cleric support 254
  public finance 336.279254
Tithonotypes photography 777.4
Title
  insurance business 368.81
  to property priv. law 347.2
Titles
  and duties of employes
    office economy **651.37**
  changed book bibl. **014**
  curious library misc. 020.88
  motor vehicles 629.21342
  of honor heraldry **929.7**
    in specific fields
[2] see subject —079
Titling mech. drawing 744.43
Titration of solutions
  quantitative analysis 545.2

Titrimetry
quantitative analysis **545.5**
Tit-tat-toe games 793.75
Titus, epistle to 227.85
Tlaxcala history 972.4
Toadfish
(Batrachia) herpetology 597.6
(Teleostei) ichthyology 597.5
Toadflax (Scrophulariaceae)
botany 583.81
Toads (Anura) agric. aids 632.9678
Toadstools (Agaricaceae)
botany 589.222
Toasts and speeches
domestic economy 642.48
Toba Jap. history 952.01634
Tobacco
as money economics 332.56
barns architecture 728.95371
blight (Peronosporineae)
botany 589.252
products manufactures 679
(Solanaceae) field crops 633.71
state inspection 614.36
tax public finance 336.27863371
use of ethics 178.7
hygiene 613.84
see also Nicotine
Tobago
Botel, islands history 952.947
West Indies " 972.98
Tobogganing sports 796.95
water " 797.17
Tobit Apocrypha 229.2
Toccata music form 781.50833
Tochigi history 952.1381
Toda language **494.822**
Todd county, Ky hist. 976.977
Minn " 977.688
Valley, Neb " 978.2296
Toddalioideae (Rutaceae)
botany 583.23
Toe joints anatomy 611.7289
Toen history 952.995
Toes
regional anatomy 611.987
supernumerary surgery 617.36
surgery 617.58
Toggenburg goat (Bovidae)
domestic animals 636.3937
Toggle joints mech. eng. 621.825
Togoland European war 940.4235
history 966.81
Toilet
articles customs 391.6
personal dom. economy 646.7
room furnishing
domestic economy 645.68
rooms " " 643.52
indus. archi. 658.239
Toilets
public architecture 725.196
sanitary eng. 628.45
Tokachi history 952.46
Tokaido " **952.13**
Tokay grape
flame viticulture 634.849
viticulture 634.85439
Token money fin. econ. 332.419
payments pub. debt 336.368
Tokens numismatics **737.3**
Tokimasa Jap. hist. 952.02121
Tokimune " " 952.02125
Tokiyori " " 952.02124
Tokugawa shoguns " " **952.025**
Tokushima history 952.34
Tokyo " **952.135**
Toledo, O " 977.113
Tolerance, religious, *see*
Liberty of conscience
Toleration, edict of, 1527
Scandinavian history 948.04
Toll houses architecture 725.147
Tolland co., Conn hist. 974.64
Tollens, Hendrik
Dutch poetry 839.31154
Tolls transit duties
local finance 336.282
government 352.7
public finance 336.263
railway " 385.134
waterways " 386.134
Toltec architectural styles **722.911**
civilization hist. 972.011
Toluene painting solvent 751.247
Toma history 966.61
Tomas, bishop of Strengnas
Swedish poetry 839.7112
Tomato
(Solanaceae)
garden crops **635.64**
tree- (Solanaceae)
fruitculture 634.7761
worm (Sphingina)
agricultural pests 632.788
Tomb burial customs 393.1
pub. health 614.612

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Tombs
architecture 726.82
cemeteries 718.66
of unknown soldiers
[1] **European war** 940.465
Tomic, Pere Catalan lit. 849.9821
Tommaseo, Niccolò
Italian essays 854.78
Tompkins co., NY history 974.771
Ton metrology 389
Tonal
analysis physiology 612.858743
characteristics " 612.858742
distinction " 612.85874
psychology 152.2874
fusion theory music 781.1
physiol. 612.85874413
psychol. 152.2874413
gaps physiology 612.858712
psychology 152.28712
islands physiology 612.858712
psychology 152.28712
pitch physiology 612.8587422
psychology 152.287422
volume physiology 612.8587423
psychology 152.287423
Tonalities music 781.22
physiology 612.85874
psychology 152.2874
Tone
color acoustics 534.5
physiology 612.8587424
psychology 152.287424
deafness physiology 612.858746
psychology 152.28746
formation voice culture 784.94
poems instr. music 785.11
preferences physiol. 612.858746
psychol. 152.28746
reproduction
phot. sensitometry 771.5345
sensitiveness to physiol. 612.858746
wheel system radio 621.3841538
wheels radio 621.3841335
Tones
affective
psychology of emotions 157.52
color photography 778.62
combinational physiol. 612.8587434
psychol. 152.287434
compound physiology 612.8587433
psychology 152.287433
differential physiology 612.858743412
psychology 152.28743412
Tones (cont.)
partial physiology 612.85874333
psychology 152.2874333
physiology 612.850122
psychology 152.20122
simple physiology 612.8587432
psychology 152.287432
summational physiol. 612.858743413
psychol. 152.28743413
Tartini's physiology 612.8587434
psychology 152.287434
Tonga islands history 996.1
Tongaland " 968.38
Tongs, weeding farming 631.3154
Tongue
anatomy of digestion 611.313
taste 611.87
diagnosis pathology 616.0752
grafting agriculture 631.54132
pathology 616.31
physiology 612.3123
worm (Linguatulida) zool. 595.41
Tonic
muscular contraction
physiology 612.74114
reflexes physiology
of invertebrates 612.82933
sol-fa voice culture 784.94
Tonicity
physiology of nerves 612.8173
Tonics, digestive therap. 615.7341
Toning
dye phot. processes 773.53
photography 770.2836
solutions phot. chem. 771.545
Tonkin
history 959.9
loss of Chinese hist. 951.039
swine (Suidae)
domestic animals 636.485
Tonnage gaging metrology 389
shipbuilding 623.81
business 656
Tonneau recreation 796.24
Tonsillae intestinales anat. 611.3413
Tonsils anatomy 611.322
pathology 616.31
physiology 612.3122
Tool
chests mot. veh. equip. 629.2744
factories architecture 725.435
houses landscape art 717.66
railway archi. 725.33
room shop management 658.563

Tools
apiculture 638.1413
bronze archeology 571.35
care of indus. manage. 658.582
cleaning agriculture 631.362
farming 631.3
forestation 634.95613
logging forestry 634.9823
mechanical engineering 621.9
handicrafts 680.78
motor vehicle equip. 629.2722
mfg 629.23419
museum equipment 069.33
neolithic archeology 571.25
printing 655.21
radio engineering 621.3841824
in other specific fields
[2] see subject —078
Toombs co., Ga history 975.878
Tooth curves mech. eng. 621.831
Toothache dentistry 617.65
Toothed gears mech. eng. 621.83
Toothshells (Scaphopoda)
zoology 594.2
Top
games recreation 795.2
grafting agriculture 631.54144
making textile process 677.02822
see also special fibers
mosses (Acrocarpi) bot. 588.214
Topcoats dom. economy 646.45
Topeka, Kan history 978.1631
Topelius, Zakarias
Swedish fiction 839.7366
Topes mortuary archi. 726.86
Topiary
gardens landscape art 712.626
work " " 715.162
Topical meth. education 371.36
Topinambor (Helianthaceae)
garden crops 635.24
Topographic
aspect psychoanalysis 131.3414
drawing surveying 526.98
map making
mechanical drawing 744.428
surveys aircraft 629.138552
forestry 634.9324
Topography
aerial avigation 629.13254
and bldgs lands. art 717.61
city planning
civic arts 711.14
crime sociology 364.22
garden planning
landscape art 712.6245
Topography (cont.)
and plantations
landscape art 715.143
influence
differential psychology 136.24
military engineering 623.71
sanitary pub. health 614.77
surveying 526.9
see also Maps
Topology geometry 513.83
Toppers for maize 631.3555
Tops mot. veh. body 629.266
Torches chem. technology 665.1
ordnance 623.45442
Torchwood (Burseraceae)
botany 583.247
Torelli, Achille It. drama 852.86
Tories Amer. revolution
Can. history 971.024
US " 973.314
Tornadoes lib. dangers 022.29
meteorology 551.55
Toro history 967.613
Toronto, Ont " 971.3541
Torpedo
boats shipbuilding 623.825
shells ordnance 623.4517
units mil. eng. service 358.2
Torpedoes chemic tech. 662.2
land mil. eng. 623.26
naval " 623.95
Torque elem. mot. veh. 629.2457
Torrens system
land registration 333.34
Torsion
abnormal botany 581.2264
physics 539.3
tests eng. materials 620.11243
Torts private law 347.5
Torture
legal antiquities 340.3
religious persecutions 272
war customs 399
Tory party Eng. politics 329.942
US " 329.8
Tosa history 952.31
Tosando " 952.11
Toshu " 952.31
Toss and catch games 796.25
Tossing games recreation 795.5
Totalitarianism
political economy 335.64
science 321.6
Totemism
comparative religion 291.211
customs & manners 392

Totipalmatae ornithology 598.43
Totomi history 952.1667
Tottori " 952.195
Toucan (Picidae) ornithol. 598.72
Touch
exercises piano music 786.32
illusions psychology 152.735
internal physiology 612.88
psychology 152.6739
magnetic physics 538.2
papers flashlight phot. 771.448
pathology medicine 616.856
psychology 152.577
physiology 612.88
of brain 612.82559
psychology 152.5
sensations, synesthetic psychology 152.775
Touchardia latifolia (Urticaceae) field crops 633.565
Touch-me-not (Balsaminaceae) botany 583.226
Touggourt history 965.7
Toulon, Fr
Eur. w. naval base 940.453
history 944.93
Toulouse
goose (Anseres) agric. 636.5984
history 944.86
school Provençal poet. 849.131
Touraine history 944.54
Touriga grape vitic. 634.85469
Touring mot. veh. opera. 629.281
recreation 796.53
Tourist
camps city zoning 711.557
management 647.97
rates railways 385.132255
Tournai, Bel.
European war, 1914 940.4217
1918 940.4366
history 949.3
Tournaments recreation 791.7
soc. customs 394.7
Tours, Fr. history 944.54
Toussaint, A L G Bosboom
Dutch fiction 839.31356
Touts stock brokers 332.62
Tovariaceae botany 583.132
Tow
rope manufactures 677.71
separating textile mfg 677.02821
see also special fibers
Tow (cont.)
working textile mfg 677.02822
see also special fibers
Towel gourd (Cucurbitaceae)
garden crops 635.627
Tower clocks horology 681.1133
reckoners " 681.1182
Towers
architectural design 729.36
architecture 725.97
cooling steam eng. 621.19764
electric lines 621.319225
geodetic triangulation 526.32
of silence architecture 726.87
radio antennas 621.38413581
suspension bridge eng. 624.56
waterworks 628.13
Towing canal engineering 626.7
Town
commons landscape art 712.523
criers advertizing 659.14
government admin. 352
halls architecture 725.137
life, small polit. sci. 323.354
meeting local gov't 352.008
polit. sci. 321.4
planning civic arts 711
press journalism 070.234
Townley plays Eng. drama 822.13
Towns
co., Ga history 975.828
German local gov't 352.04305
sanitation of engineering 628.4
Township
buildings architecture 725.136
German local gov't 352.04306
libraries 027.4225
regional planning 711.33
school supervision educ. 379.1533
Toxic
action of sweat physiol. 612.79212
effects veget. ecology 581.52415
elements botanic chem. 581.1926
Toxicity, urinary
physiology 612.462
Toxicology 615.9
of respiratory centers
physiology 612.2841
Toxins
physiology of blood 612.1182
heart 612.174
nutrition 612.3988
Toxodonta mammalogy 599.63
paleozoology 569.63

Toxodontia mammalogy 599.643
paleozoology 569.643
Toy
dog species (Canidae)
domestic animals 636.765
games recreation 793.7
pigeons (Columbae) agric. 636.5962–5
Toya-akitsu-shima hist. 952.1
Toyama " 952.153
Toye repeaters telegraphy 621.38324
Toyotomi Hideyoshi
Jap. history 952.0242
Toys
advertizing on bus. 659.137
automatic manufactures 681.15
children's recreation 796.1
domestic economy 649.55
radio engineering 621.384198
state inspection 614.37
Trabzon
European war
1916 940.4291
naval operations 940.456
1918 940.4381
history 956.5
Trachea anatomy 611.231
pathology 616.23
physiology 612.2152
veget. morphol. 581.4132
Tracheal respiration
biology 574.126
physiologic botany 581.126
zoology 591.126
Tracheotomy surgery 617.42
Trachoma ophthalmology 617.77
Trachypodaceae botany 588.21532
Trachyte petrology 552.24
Tracing mech. drawing 744.52
Tracings, printing from phot. 772.2
Track
accessories eng. 625.16
gage railroad eng. 625.22
scales " equip. 625.18
tanks locomotive eng. 621.1363
Tracks
door & window constr'n 721.891
horse racing 798.4
railroad engineering 625.14
railway, & street traffic
city planning 711.751
trolley electric eng. 621.333
Tract sacred music 783.23
societies relig. 206
Tractarianism sect. hist. 283
Traction
engines steam eng. 621.14
systems electric " 621.3312
Tractive force
locomotive engineering 621.1311
Tractors
agriculture 631.372
logging forestry 634.982536
metallic Perkinism 615.856
military equipment 355.83
motor vehicles 629.225
operation 629.284
Tracts, relig. theology 240
in other specific fields
[2] see subject —04
Tractus solitary anat. 611.8186
Trade
acceptances fin. econ. 332.77
admin. regulation 351.82
agreements indus. rela. 331.157
balance of commerce 382
theory polit. econ. 330.151
boards of architecture 725.255
channels bus. methods 658.84
commerce 380.12
colonial " 382
cycles " 380.124
depressions
commerce 380.1242
domestic 381.01242
foreign 382.01242
economics 338.57
see also in Tables subhead Crises under specific types of production, e.g. 338.15
fin. economics 332.64
domestic commerce 381
foreign " 382
free tariff 337.1–.2
gild syst. production 338.64
[1] **lists of books bibl. 015**
names, *see* Trademarks
promotion bus. meth. 658.82
routes, oceanic commerce 387.52
schools economics 331.86
education 371.426
[1] **useful arts 607**
songs music 784.67
tests labor demand 331.1151
union halls archi. 725.93
unions economics 331.88
winds meteorology 551.51
Trademarks & trade names
advertizing 659.12
commercial law 347.7

Trademarks & trade names (cont.)
copyright 655.62
useful arts 608
Traders, stock exchange
financial economics 332.62
Trades
handicrafts 680
industrial sanitation 628.51
wages in special econ. 331.28
workmen in " " 331.818
Trading
companies colonization 325.312
production 338.73
stamps advertizing 659.16
sales methods 658.88
Tradition, oral
comparative religion 291.8
Traditionalism philos. 148
Traditions eccles. polity 262.7
folklore 398.1–.3
Traduction doc. theology 233.3
evolution 575.1
metaphysics 129.2
Traffic
in liquors temperance 178.4
intersections city plan. 711.724
regulations
motor vehicles 629.21343
sociology 388
student enforcement 371.71
street planning 711.7
transport business 656
Tragedies theater 792.1
Tragedy lit., American 812
English 822
[3] other —2
rhetoric 808.2
Tragopogon porrifolius (Cichoriaceae) garden crops 635.16
Traguloidea mammalogy 599.7355
Trail chuting logging 634.982526
spades gun mounts 623.43565
Trailer
camps city zoning 711.557
management 647.97
cookery dom. economy 641.575
Trailers architecture 728.76
motor vehicles 629.2262
Trails forest engineering 634.9343
lands. constr'n 713.72–.73
Train
continuous, syst. radio 621.384153
ferries commerce 386.64
tonic, system radio 621.3841523
yards city planning 711.753
Trained animals theaters
architecture 725.828
Training
animal comp. psychology 151.3072583
recreation 791.8
zootechny 636.0886
camps military sci. 355.52
classes agric. educ. 630.775
for teachers 370.75
industrial economics 331.86
library 020.7
staff qualifications 023.532
of teachers
kind & amount of 371.12
plant culture 631.546
schools for teachers 370.7
reformatories 364.722–.723
architecture 725.64
ships naval science 359.54
in other specific fields
[2] see subj. —07
Trains mechanical toys 681.154
radio on eng. 621.38419122
railroad " 625.2
Traitors Amer. revol. 973.381
[1] **biography 923.41**
Traits, mental
criminal psychology 364.34
Trakehner horse (Equidae)
domestic animals 636.143
Tram silk manufactures 677.4161
Traminer grape
French viticulture 634.8544
German " 634.8543
red Austrian " 634.85436
Tramp
ocean routes commerce 387.523
service ocean transport 387.5443
Tramps charity 362.51
pauperism 339.14
Tramways electric eng. 621.33
mining 622.65
see also Street railways, Trolley lines
Trance
ecstatics 132.54
hypnotism 134.52
mediumistic spiritism 133.9
speaking divination 133.323
spiritism 133.93
Tranquilizing chair
prison punishments 365.644
Transactions
intercompany bus. meth. 658.166
of acad., soc., etc., in
[2] specific fields see subj. —06

Transcendental
properties ontology 111.8
psychology 133
Transcendentalism philos. 141
Transcriptions
instrumental music 785.9
piano " 786.48
Transepts church archi. 726.592
Transfer
files office records 651.678
papers phot. chem. 771.522
photographic images 770.2848
pictures arts & crafts 745.7
printing ceramics 738.15
processes
carbon photography 773.123
chemic " 773.125
collodion " 772.14
oil " 773.8
photolithography 775.6
photomechanics 774.6
photometalography 776.6
photorelief 777.2
switchboards telephony 621.3874
system telephony 621.38563
tax public finance 336.276
Transference psychoanal. 131.34124
Transferotypes phot. 771.5323
Transfers, indicatory
psychology of reflection 153.4
Transfiguration Christol. 232.956
Transformation
of coordinates
astron., spheric 522.73
loci in space geom. 516.34
plane loci " 516.14
substantial metaphysics 113
Transformations algebra 512.86
Transformer
panels elec. stations 621.31725
substations elec. eng. 621.31263
Transformers
electric engineering 621.3143
oscillation
radio inductors 621.38413323
radio measurements 621.384175
transmitting 621.3841316
Transformism philosophy 146
Transfusion of blood, *see* Blood transfusion
Transients, districts for
city zoning 711.557
Transit
and time finding
chronology 529.71
Transit (cont.)
astron. instruments 522.34
bldgs astron. 522.13
duties, local pub. fin. 336.282
public finance 336.263
tariff 337.35
local city planning 711.7
sociology 388
mounting astronomy 522.27
out of meridian astron. 522.44
passenger rates railways 385.132234
ports commerce 387.134
prohibitions & restrictions
tariff 337.35
Transition cosmology 116
Transits
and longitude finding
astronomy 525.48
astronomy 523.9
Transkeian Terr. hist. 968.63–.67
Translating, art of lit. 808
Translation comp. philol. 418
Transleithania history 943.9
Transliteration
library cataloging 025.3
philology 411
Transmigration, spiritual
metaphysics 129.4
Transmission
apparatus
writing machines mfg. 681.6112
brakes motor vehicles 629.2465
by rope mechanical eng. 621.853–.854
cables manufactures 677.72
formulas radio eng. 621.3841157
hereditary evolution 575.1
instruments telegraphy 621.3831
machinery of agriculture 631.37
mech. eng. 621.8
motor vehicles 629.2444
of elec. power eng. 621.319
physics 537.84
gases " 533.1
heat thermology 536.2
images elec. eng. 621.388
time elec. clockwork 681.1162–3
phenomena radio 621.384115
telephony 621.3878

Transmitters
for books & messages
library equipment 022.94
radio equipment 621.384131
telephony 621.3862
Transmitting sets, electron
tube generators in 621.3841326
in radio eng. 621.3841328
Transmutation of
energy physics 531.6
metals alchemy 540.1
species biology 575.2
Transneptunian planets
astronomy 523.48
Transoceanic communication
system radio 621.384151
Transom windows archi. 721.845
Transoms archi. constr'n 721.862
gun mounts 623.4351
Transparencies
carbon photography 773.123
deterioration & care
photography 770.285
photographic films 771.5325
see also Lantern slides
Transparency measurement
photographic sensitometry 771.5345
Transpiration
biology 574.129
cutaneous physiology 612.793
physiologic botany 581.129
zoology 591.129
Transplantation of organs
physiology 612.602
Transplanters farm mach. 631.336
Transplanting
agriculture 631.536
forest nursery 634.95646
Transport
appliances agriculture 631.373
buildings architecture 725.3
planes military equip. 355.83
service indus. " 658.281
Transportation
aerial commerce 387.7
engineering 629.13
aircraft service 629.1382
business 656
city planning 711.13
criminal law 343.2
facilities
industrial manage. 658.214
logging forestry 634.9825
Transportation (cont.)
military admin. of 355.69
equipment 355.83
resources 355.27
mining 622.6
oceanic commerce 387.5
of crops agriculture 631.565
goods business meth. 658.7885
prisoners 365.642
sociology 385–388
surface mining 622.69
systems
and business districts
city planning 711.552
city planning 711.7
Transporter bridges eng. 624.86
Transports shipbuilding 623.826
spiritism 133.922
Transposition
music composition 781.64
of parts surgery 617.38
telephony 621.38783
Transubstantiation
Eucharist 265.3
Transudations physiology 612.381
Transvaal history 968.2
Transversalis cervicis
anatomy 611.7313
Transversals geometry 513.52
Transverse
arches archi. constr'n 721.425
cervical artery anat. 611.1348
system shipbuilding 623.84
Transversospinales anat. 611.7316
Transversus thoracis " 611.7358
Transylvania
campaign European war 940.4276
colony (Ky) history 976.9
county, NC " 975.693
history 943.92
Transylvanian
language 459.79
literature 859
sheep (Bovidae)
domestic animals 636.373
Trap
doors archi. constr'n 721.835
economic geology 553.57
Trapaceae botany 583.413
Trapassi, Pietro It. drama 852.57
Trapeze athletics 796.46
Trapezium anatomy 611.71775
Trapezius muscle " 611.73111

Trapezoid anatomy 611.71776
body " 611.81776
Trapping hunting bus. 639.1
Trappists monastic orders 271.125
Traps agric. protection 632.9
domestic economy 648.7
return steam eng. 621.1973
sewerage eng. 628.256
steam piping 621.1855
veget. fertiliza. 581.1662562
zootechny 636..081111
Trap-shooting sports 799.31
Trash, dom. san. eng. 628.44
Tras-os-Montes history 946.92
Traumatic
delirium medicine 616.8934
psychology 132.1934
dementia medicine 616.89813
psychology 132.19813
fever surgery 617.26
mental deficiency
psychology 132.2448
Traumatism pathology 616.982
Traumatropism botany 581.18327
Travancore history 954.8
Travel
clocks manufactures 681.1136
clubs self-education 374.21
cookery dom. economy 641.575
equipment manufactures 685.51
radio in engineering 621.384191
value of self-culture 374.25
Travelers
[1] **biography** 923.9
checks fin. economics 332.76
commer., YMCA work with 267.363
conversation books
English language 428.2
[3] other " —82
life hygiene 613.69
prot'n of pub. health 614.86
Traveling
clubs self-culture 374.25
displays advertizing 659.155
libraries 021.65
school education 371.642
rugs manufactures 677.62
salesmen bus. methods 658.846
scholarships
school tuition 371.223
univ. & col. 378.34
school lib. lib. econ. 027.8224
schools education 371.392
shows recreation 791.1
Travels 910
collected 910.8
incentive, to study
[2] see subject —0793
scientific 508.3
Traverse City, Mich hist. 977.464
co., Minn " 977.6435
tables surveying 526.91
Trawlers shipbuilding 623.828
Trays
book library equip. 022.943
catalog card lib. econ. 025.3
Treadmills
criminal law 343.2
mechanical engineering 621.46
prison punishments 365.644
Treads mot. veh. tires 629.24869
Treason Amer. revolution 973.381
criminal law 343
Treasure state (Montana)
history 978.6
Treasure-trove
piracy 910.4
public income 336.18
Treasury
[1] **foreign government** 354
notes fin. economics 332.53
reserves " " 332.52
US government 353.2
Treaties
[1] **international law** 341.2
of Belgium 341.2493
Phenicia 341.23944
United States 341.273
etc.
tariff polit. economy 337.91
Treating temperance 178.3
Treatment
hospital sociology 362.11
med., at home sociol. 362.14
pathology 616
methods
forest management 634.928333
test of forestry fin. 634.928434
rational
crime prevention 364.47
Treaty powers legislature 328.346
Trebbiano grape vitic. 634 8545
Trebizond, *see* Trabzon
Tree
breeding forestation 634.9567
conveyers farming 631.3366
diseases forestry 634.96

Tree (cont.)
dwellings archeology 571.8
city planning 711.423
gardens landscape art 712.626
guards " " 717.67
layering plant culture 631.5346
lily (Velloziaceae) bot. 584.28
of heaven (Simarubaceae)
botany 583.241
planters' state (Nebraska)
history 978.2
products harvesting 631.5568
species floriculture 635.9773-5
forestry 634.97
geog. distrib.
forestry 634.9478
introduction
forestation 634.9568
surgery agric. prot'n 632.8
telegraphy syst. radio 621.3841595
worship comp. relig. 291.2123
Tree-hoppers (Membracidae)
entomology 595.7534
Tree-mosses (Climaciaceae)
botany 588.21533
Trees
and environment
forest botany 634.947
apicultural pasturage 638.134-.135
pollen " 638.1385
art anatomy 743.72
botany 582.16
broadleaved forestry 634.972
Christmas " 634.983
diameter of " 634.928544
forestry 634.9
fruitculture 634
hight of forestry 634.928545
landscape art 715.2
ornamental floric. 635.977
painting 758.42
road engineering 625.77
sanitary " 628.48
tools for agriculture 631.34
see also Forestry
Tree-scribes silvic. 634.954
Tree-tomato (Solanaceae)
fruitculture 634.7761
Trefoiled arches
architectural constr'n 721.427
Trego co., Kan history 978.1165
Trellis posts
architectural constr'n 721.374
Trellises
landscape structures 717.83
Trellises (cont.)
plant support 631.3453
training 631.5463
Tremandraceae botany 583.142
Trematoda pathology 616.963
zoology 595.122
Trembling fungi (Tremellineae) botany 589.2232
Tremor, metallic medicine 616.862
psychol. 132.162
physiology 612.7464
Trempealeau co., Wis hist. 977.549
Trench
layering plant culture 631.5342
warfare military eng. 623.2-.3
sci. 355.44
Trenches
defense of mil. eng. 623.34
temporary " tactics 355.424
Trenching military eng. 623.24
Trent
Austria European war 940.4373
history 943.64
council, 1545 ch. hist. 270.6
creed of doc. theology 238.2
ship, affair, 1861
US Civil war
diplomatic history 973.722
naval " 973.751
Trentepohliaceae botany 589.47427
Trentino Eur. w., 1916 940.4274
1917 940.4321
1918 940.4371
Trenton, NJ
battle Amer. revol. 973.3326
history 974.966
Trepanation surgery 617.51
Trepassey, ship
American revolution 973.357
Trepat grape vitic. 634.8544
Tressalier (Tresseau) grape
viticulture 634.8544
Trestle bridges mil. eng. 623.653
Trestles bridge eng. 624.24
Treutlen co., Ga hist. 975.868
Trial
borings
archi. foundations 721.11
by jury law 340.4
ordeal legal antiq. 340.3
Trials
civil legal procedure 347.91
criminal law 343.1
eccles. church polity 262.9
military martial law 344

Triangle
angles of, and earth surface irregularities 526.65
musical instrument 789.3
Triangles
diff. of trigonometry 514.8
geometry 513.14
spheric 513.41
practical chemistry 542.24
trigonometry, plane 514.5
spheric 514.7
Triangular
arches archi. constr'n 721.422
domes arched " 721.47
ocean routes commerce 387.523
roofs gable constr'n 721.582
horizontal section constr'n 721.593
Triangularis menti anat. 611.7326
sterni " 611.7358
Triangulation
geodetic computation 526.4
field work 526.3
net, adjustment of 526.53
radio antennas 621.38413552
goniometry 621.38419136
records geodesy 526.33
Triapsal end ch. archi. 726.593
Triassic period geology 551.76
Tribes ancient states polit. science 321.2
Tribonemaceae botany 589.483
Tribunals
architecture 725.15
indus. & professional economics 331.16
Tribunes architecture 729.92
Tribute public finance 336.18
Triceps brachii anatomy 611.73724
surae " 611.73854
Trichiaceae botany 589.2932
Trichinae (Gordiaceae)
zoology 595.131
Trichinosis pathology 616.74
pub. health 614.562
Trichocomaceae botany 589.238
Trichomes veget. morphol. 581.4781
Trichoptera entomology 595.745
Trichostomaceae botany 588.21461
Trick
animals recreation 791.8
games " indoor 793.5
photography
cinematic fine arts 778.534
fine arts 778.8
Trickery ethics 174.7
Tricks
recreation, private 793.8
public 791.1
with cards recreation 795.43
Tricktrack games 795.1
Tricoccae botany 583.951
Tricycles engineering 629.2273
Tridentine creed theol. 238.2
Triecphoridae entomology 595.7533
Trieste
Eur. w., 1916, air raids 940.446
1918 940.4373
history 943.68
Triewald, Samuel von
Swedish poetry 839.7138
Trifacial nerve, *see*
Trigeminal nerve
Trifoliate orange (Rutaceae)
fruitculture 634.321
Trifolieae (Fabaceae)
field crops 633.373
Trifolium (Fabaceae)
apicultural pasturage 638.138
field crops 633.32
Triforium church archi. 726.594
Trigeminal nerve
anatomy 611.8315
nuclei anatomy 611.8174
physiology 612.8195
Trigg co., Ky history 976.979
Triglyphs wall constr'n 721.273
Trigonantheae botany 588.311
Trigoniaceae " 583.215
Trigonolestidae mammal. 599.7334
Trigonometric leveling
geodesy 526.38
Trigonometry 514
plane & analytic 514.5
spheric 514.6
in geod. computation 526.44
spheroidal, in geod. computation 526.45
Trilliaceae (Convallariaceae) botany 584.322
Trilling voice culture 784.94
Trilobita paleozoology 565.393
zoology 595.393
Trim. mot. veh. body 629.265
Trimastigaceae botany 589.9746
Trimble co., Ky history 976.9375
Trimera
(Coleoptera) entomology 595.769
(Homoptera) " 595.753

Trimmer
  arches archi. constr'n 721.426
  hedge- agriculture 631.3421
Trimming agric. pruning 631.5423
  coins 332.419
  mach. phot. 771.41
  mot. veh. mfg 629.2346
  phot. prints 770.2845
Trimmings manufactures 677.76
Trimorphic heterogamy
  botany 581.1662533
Trimurti comp. religion 294
Trinidad
  Colorado history 978.8961
  W. Indies " 972.98
Trinitarianism, anti-
  heresies 273.4
Trinitarians mon. orders 271.79
Trinity
  county, Calif. hist. 979.414
  doctrinal theology **231**
  holiday Catholic ritual 264.021
    Greek " 264.0191
    Prot. Epis. " 264.031
    etc.
  in art 704.9485
  modal Sabellianism 273.3
Triodes radio tubes **621.384132**
Tripartite vaults
  arched constr'n 721.44
Triperies and pollution
  public health 614.742
Triphasia trifolia (Ruta-
  ceae) fruitculture 634.342
Triplanes aviation 629.1333433
Triplicities
  occult astrology **133.524**
Tripods
  geodetic triangulation 526.32
  photography 771.34
  practical chemistry 542.24
Tripoli, Africa history **961.2**
    Syria " 956.9
Tripolitan wars, 1801–5
  US history 973.47
Trips, school educ. meth. 371.393
Triptychs painting 751.72
Triquetrum anatomy 611.71773
Trissino, G G It. drama 852.33
Tristegineae botany 584.924
    grass crops 633.281
Triticeae botany 584.937
    grass crops 633.289
Triticum aestivum (Hordeae)
  field crops 633.11
Tritons (Gastropoda)
  zoology 594.3
Trituration prac. chem. 542.22
Triumph card games 795.41
    grape vitic. 634.84709
Triumphal arches archi. 721.426
Triumphs social customs 394.45
    student life 371.89
Triuridales botany 584.71
Trivia, in specific fields
[2] see subject —0883
Troas ancient history 939.21
Trochilidae (Insessores)
  ornithology 598.89
Trochlear nerve
  anatomy 611.8314
  nucleus of anatomy 611.8155
  physiology 612.8194
    of eye 612.8464
  psychology 152.164
Trochodendrineae botany **583.119**
Trochoid anatomy 611.72965
Troco recreation 794.7
Trogonidae ornithology 598.73
Trois Freres islands hist. 969.7
Trojel, P K Danish wit 839.81752
    P M " " 839.81751
Trolley
  arms electric cars 621.3347
  lines electric traction **621.3322**
    see also Street railways
  poles & wires city plan. 711.752
  syst. elec. traction **621.33152**
Trolleys
  electric cars 621.3347
  trackless elec. eng. **621.33225**
Trolling fishing sport 799.14
Trollope, Anthony
  English fiction 823.87
Trombone brass instr. 788.2
Tromelin island history 969.84
Trompes prac. chemistry 542.77
Tromsö history 948.4
Trondheim " 948.4
Troop
  concentrations
    military strategy 355.43
  ships military equip. 355.83
Troops, eng. mil. sci. 358.2
    military science **355**
    tech. mil. sci. **358**
Tropaeolaceae botany 583.225

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Trophic
action
and trigeminal nerve 612.81953
physiology 612.8903
nerves physiology 612.818
of skin 612.798
Trophoplasm veget. cytol. 581.87342
Tropic
almond (Combretaceae)
nuciculture 634.555
birth rate demography 312.1
cities civic arts 711.422
month lunar astronomy 523.33
plants floriculture 635.9522
regions
hygiene 613.11
radio transmission 621.384115523
vegetable ecology 581.524443
zones, farming in 631.0913
Tropic-bird (Totipalmatae)
ornithology 598.43
Tropisms
botany 581.1832
chemo- mesology 612.014467
psychology of movement 158.422
Trots student honor 371.81
Trotters (Equidae)
domestic animals 636.12
American dom. animals 636.128
Orloff's " " 636.1271
Trotting horse racing 798.4
Troubadours musicians 780.0712
see also Minstrelsy
Trough roofs archi. 721.585
Troughs
pneumatic prac. chem. 542.73
voltaic engineering 621.3521
Troup co., Ga history 975.846
Trousdale co., Tenn " 976.848
Trousers dom. economy 646.432
Trousseau grape vitic. 634.8544
Trouvères, *see*
Minstrelsy, Troubadours
Trowel farm tools 631.3112
Troy ancient history 939.21
NY " 974.741
Troya, Carlo It. essays 854.73
Truancy
juvenile delinquency 364.362
school discipline 371.52
Truant schools
architecture 725.64
criminology 364.722
Truces law of war 341.3
Truck
farming agriculture 635
stations, fire archi. 725.191
syst., payment by econ. 331.23
transport city plan. 711.721
Trucking
charges, express
railways 385.132391
commerce 388.3
logging 634.982524
mot. veh. operation 629.284
transport business 656
Trucks
agriculture 631.3735
book library equip. 022.942
electric cars 621.3347
industrial equipment 658.281
manufactures 684
motor
engineering 629.224
factories archi. 725.4524
railway engineering 625.21
True-false
method psychophysics 152.82333
tests
psychology 151.23
school examinations 371.27
True-to-scale process
photography 776.6
Truffles (Tuberaceae)
garden crops 635.8
Trumbull, John Amer. poet. 811.21
Trumbull
county, O history 977.138
ship Amer. revolution 973.356
Trumpet brass instrument 788.1
Trumpet-creeper (Bignonaceae) botany 583.84
Trumpeters
(Alectorides) ornithology 598.32
(Anseres) " 598.41
(Columbae) agriculture 636.59626
Truncated
arches archi. constr'n 721.422
roofs " " 721.584
Trunk
Butte, Neb history 978.293
factories architecture 725.415
lines, oceanic commerce 387.522
Trunkfish (Plectognathi)
ichthyology 597.54
Trunking
switchboards telephony 621.38741
systems " 621.38561

Trunks artistic furn. 749.38
traveling mfg 685.511
Truss arches archi. 721.426
Trussed
arch bridge eng. 624.7
roofs archi. constr'n 721.597
Trusses aircraft supports 629.134328
bridge eng. **624.3**
surgery 617.92
Trust
certificates fin. econ. 332.63
companies architecture 725.24
fin. econ. 332.14
Trustees
business finance 658.151
library economy 023.3
rooms library economy 022.611
office " 651.16
[1] **universities & colleges** **378**
Trusteeship fin. econ. 332.14
Trusts
business management 658.1146
commercial law 347.7
industrial
int'l production 338.88
production 338.85
state pub. finance 336.19
Trusty system
prison administration 365.643
Truth ethics 177.3
ontology **111.83**
test of soteriol. 234.24
Tryblidiaceae botany 589.2335
Tryon, William, in Conn
American revolution 973.3351
Trypanosoma (Flagellata)
zoology 593.16
Trypanosomiasis pathol. 616.92
Trypetheliaceae botany 589.16
Trypsin
physiology of digestion 612.3424
Tryptic digestion **612.342**
Ts—
Chinese names not found under this digraph may be found under Ch—
Tsad, Fr. Africa, *see* Chad
Tsch—, *see* Ch—
Tsinan, China history 951.146
Tsingtao, China Eur. w. 940.4233
history 951.144
Tsingyüan, " " 951.15
Tsitsihar, Manchuria " 951.84
Tsolo history 968.629
Tsomo " 968.678
Tsuchimikado Jap. hist. 952.02112
Tsuga (Pinaceae) forestry 634.9753
Tsugaru history 952.112
Tsukushi " **952.2**
Tsunayoshi Jap. history 952.02523
Tsunetoki " " 952.02123
Tsushima
history 952.211
nav. battle Jap. hist. 952.031855
Tu history 967.49
Tuality co., Ore history 979.543
Tuamotu islands " 996.3
Tuareg language 493.3
Tuat history 965.7
Tub plants lands. art 715.1752
Tuba auditiva anatomy 611.856
brass instrument 788.48
Fr. Guinca history 966.54
Tube
algae
higher (Bryopsidaceae)
botany 589.4727
lower (Siphonales)
botany **589.472**
(Siphonophyceae) bot. **589.471**
bearing fungi (Agaricaceae) botany 589.222
fungi (Phycomycetes)
botany **589.25**
supports radio equip. 621.38413388
systems " 621.3841534
Tuber
cinereum anatomy 611.8143
plants, house floric. 635.96528
Tubercles stem morphol. 581.49563
Tubercularaceae botany 589.2411
Tuberculosis
and genius psychology 151.163
pathology 616.995
prison hygiene 365.664
public health 614.542
pulmonary pathology 616.246
Tuberineae botany 589.231
Tubers
false (Hymenogastrineae)
botany 589.2216
field crops **633.49**
floriculture **635.944**
garden crops **635.2**
harvesting 631.5564
little (Plectascineae)
botany 589.238
plant culture 631.5322
vegetable generation 581.1654
washers for agric. 631.3626
see also Truffles

Tubes
Braun's radio circuits 621.38413384
locomotive boilers 621.1333
motor vehicles tires 629.24866
pneumatic
city planning 711.82
communication 654.8
domestic economy 643.6
engineering 621.549
library equipment 022.946
office " 651.268
porcelain prac. chem. 542.232
radio engineering 621.384132
speaking communication 654.8
dom. economy 643.6
library equip. 022.947
office " 651.2628
steam boilers 621.18453
strength of engineering 620.11283
sunken
subaqueous foundations 721.177
traffic city planning 711.752
use of **radio eng.** 621.3841322
Tubiferaceae (Endosporeae)
botany 589.2932
Tubiflorae botany 583.76
Tubing, glass prac. chem. 542.231
rubber " " 542.26
Tubuai islands history 996.2
Tubular
bridges engineering 624.4
furnace prac. chem. 542.42
Tubuliflorae botany 583.553
Tucker co., WVa history 975.483
Tuckerman, H T
American essays 814.33
Tudor
arches archi constr'n 721.422
[1] **architecture revival** 724.4
furniture fine arts 749.221
Gothic architecture 723.5205
Tudors English history 942.05
Irish " 941.55
Türck, fasciculus of anat. 611.8252
Tufa economic geology 553.58
Tuff petrology 552.22
Tug
of war athletics 796.43
River valley, Ky history 976.92
WVa " 975.446
Tugela, Lower, River " 968.46
Upper " " 968.43
Tugs shipbuilding 623.8232
Tuition
fees education 371.22
free " 371.221
nonresident
public school support 379.13
Tula istle (Amaryllidaceae)
fiber crops 633.5772
Tulalip Indian reservation, Wash history 979.771
Tulare co., Calif. hist. 979.486
Tulasnellaceae botany 589.222
Tulbagh history 968.721
Tuli " 968.921
Tulip tree (Magnoliaceae)
botany 583.114
Tullahoma, Tenn, campaign 1863 US Civil war 973.7342
Tulle fancywork 746.2
textile mfg 677.654
Tullin, C B Danish poetry 839.81151
Tulostomataceae botany 589.2219
Tulsa co., Okla history 976.686
[4] **Tulu language** 494.815
Tumbler pigeons (Columbae)
agriculture 636.59615
Tumbleweed
(Amarantaceae) botany 583.9131
(Chenopodiaceae) " 583.914
(Fabaceae) " 583.322
Tumbling athletics 796.47
Tumboaceae botany 585.12
Tumors pathology 616.992
physiology 612.6054
Tumults public order 351.752
Tuna (Anguilla) fishery 639.275
(Cactaceae) fruitc. 634.7751
Tundra plants veget. ecol. 581.526533
Tuners radio inductors 621.38413323
Tunes sacred music 783.6
Tung-chih Chinese hist. 951.038
Tungchow, China " 951.13
Tungkwan, " " 951.43
Tungstates mineralogy 549.74
Tungsten
chemistry 546.78
conductors
radio materials 621.38417941
processes photography 772.47
Tungtinghu, China hist. 951.215
Tungusic languages 494.1
Tunica co., Miss. hist. 976.286
Tunicata zoology 594.9

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Tuning forks acoustics 534.3
piano music 786.23
radio circuits 621.38412
Tunis history 961.1
Tunisian sheep (Bovidae)
domestic animals 636.386
Tunkers Baptist sect 286.5
Tunnel
tombs architecture 726.84
vaults arched constr'n 721.455
Tunneling
machinery, hydraulic
mechanical eng. 621.269
military engineering 623.26
mining 622.26
Tunnels
city planning 711.726
landscape constr'n 713.75
railroad city planning 711.753
engineering 625.13
street railway
city planning 711.752
waterworks 628.14
wind, *see* Wind tunnels
Tunwhang, China history 951.45
Tuolumne co., Calif. " 979.445
Tupelo (Nyssaceae) bot. 583.415
Turanian languages 494
Turbellaria zoology 595.123
Turbidity
phot. sensitometry 771.5345
sensitive emulsions 771.533
Turbinate bone anatomy 611.7147
Turbines
combustion engines 621.433
hydraulic mech. eng. 621.24
motor vehicles 629.2513
steam, *see* Steam turbines
Turbit pigeons (Columbae)
agriculture 636.59623
Turbulence aerodynamics 629.13232
Turell, Gabriel Catalan lit. 849.9822
Turf
burning fertilizers 631.831
garden composition 712.6243
horse racing 798.4
panels landscape art 716.166
see also Lawns
Turf-mosses (Dicranaceae)
botany 588.21473
Turgidity in plants bot. 581.1824
Turgor movements " 581.184
Turin history 945.1
Turkana
Naivasha province hist. 967.63
Rudolf " " 967.617
Turkestan, Chinese " 951.6
history 958.4
Turkey grape vitic. 634.8455
history 949.6
1920– 956
Turkeyneck fowls (Gallinae)
agriculture 636.5882
Turkeys (Gallinae)
poultry farming 636.592
Turkish
architectural styles 723.35
baths architecture 725.736
customs 391.6
hygiene 613.46.
therapeutics 615.853
horses (Equidae)
domestic animals 636.11
languages 494.3
[4] **Osmanli language 494.35**
period Gk hist., mod. 959.505
[4] **Turkoman language 494.323**
Turkwel River history 967.617
Turn indicators aircraft 629.13516
Turner co., Ga history 975.8885
Turneraceae botany 583.455
Turner's peninsula hist. 966.42
Turnhalls architecture 725.85
Turning bridges eng. 624.83
Turnip
(Brassicaceae)
field crops 633.42
garden " 635.12
Indian (Araceae) botany 584.65
(Fabaceae) " 583.322
Turnouts railway eng. 625.16
Turnover labor economics 331.126
taxes pub. fin. 336.2713
Turnpikes road eng. 625.7
Turnstiles door constr'n 721.833
lands. art 717.87
Turntables railway eng. 625.16
Turn-wrest plow farming 631.3124
Turpentine
chemic technology 665.3
collectors agric. tools 631.3588
forest products 634.98622
painting solvent, art 751.247
state (NC) history 975.6
Turret mounts ordnance 623.4334

Turrets architecture 725.977
design 729.367
Turtles (Chelonia)
fish culture 639.3799
fishery 639.2799
Tuscaloosa co., Ala hist. 976.184
Tuscan swine (Suidae)
domestic animals 636.45
Tuscany history 945.5
Tuscarawas co., O hist. 977.166
Tuscola co., Mich " 977.445
Tussah silk industry 677.42
Tutelar gods comp. relig. 291.2134
Tutor private education 373.1
Tutorial meth. univ. & col. 378.077
Twain, Mark, *pseud.*
American wit 817.44
Twality co., Ore history 979.543
Twat history 965.7
Tweeddale
history 941.46
sheep (Bovidae)
domestic animals 636.3252
Twentieth century history, in
[2] specific fields see subj. —0904
Twenty questions games 793.71
Twiggs co., Ga history 975.8545
Twilight
astronomy 525.7
vision physiology 612.843633
psychology 152.13633
Twills textile mfg 677.02864
see also special fibers
Twin
Buttes, Neb history 978.272
cities civic planning 711.417
crystals crystallography 548.2
Falls co., Ida hist. 979.637
Lakes, Colo descr. 917.8846
lens cameras phot. 771.315
Twine textile mfg 677.71
Twinleaf (Berberidaceae)
botany 583.117
Twins, triplets, etc., *see*
Fecundation, super-;
Fetuses, coalescent;
Synophyty
Twisting
mach. textile equip. 677.02852
textile process 677.02822
see also special fibers
[1]Twixt-brain anatomy 611.815
Two
Mountains co., Que hist. 971.425
phase elec. transmission
engineering 621.319132
wire elec. transmission
direct eng. 621.319122
syst. telephony 621.38536
Two-step dances 793.33
Tyard, Pontus de Fr. poet. 841.35
Tycoons Jap. history 952.02
Tyler
John, pres. US history 973.58
Royall American drama 812.21
Tyler co., WVa history 975.419
Tyll Eulenspiegel Ger. wit 837.41
Tylopoda mammalogy 599.7354
Tylostomataceae botany 589.2217
Tympanum, ear anatomy 611.854
pathology 617.84
physiology 612.854
psychology 152.24
Tympanums
arch construction 721.428
door & window constr'n 721.865
Type
founding printing 655.21
sizes, styles, etc.
printing 655.24
publishing 655.53
Typesetting
machines manufactures 681.614
printing 655.28
printing 655.25
Typewriter
abbreviations 653.25
pads office fittings 651.4653
ribbons " supplies 651.4663
room " economy 651.16
Typewriters
library economy 025.153
manufactures 681.612
office economy 651.26
use of educ. methods 371.3
writing mediums 652
Typha wool cotton mfg 677.22
Typhaceae botany 584.613
Typhoid fever
inoculation pub. hyg. 614.478927
pathology 616.927
public health 614.511
Typhoons meteorology 551.55

Typhus fever
  inoculation pub. hyg. 614.478922
  pathology 616.922
  public health 614.526
Typists office economy 651.3743
Typographers 655.069
  biography 926.55
Typographic presses, *see* Printing presses
Typography
  advertizing layout 659.1324
  business 655
  music publication 781.981
Typotheria mammalogy 599.632
Typtology spiritism 133.922
Tyrant worship
  comparative religion 291.213
Tyre ancient history 939.44
Tyrian architectural styles 722.31
Tyrone history 941.64
Tyrotoxicon toxicology 615.94
Tyrrell co., NC history 975.617
Tyrtaeus Gk lyric poet. 884.1
Tzapoteco archi. styles 722.911

U

U boats, *see* Submarines
USSR history 947.08
Uasin Gishu history 967.63
Ubangi, River, Bel. Kongo
  history 967.54
Ubangi-Shari history 967.41
Uberti, Fazio degli
  Italian poetry 851.17
Ubombo, Amatonga hist. 968.39
  Swaziland " 968.36
Uda Jap. history 952.01622
Udall, Nicholas
  English drama 822.22
Uélé history 967.55
Uganda protectorate Eur. w. 940.4237
  hist. 967.61
Ugliness esthetics 701.17
Ugni grape viticulture 634.8544
Ugo history 952.116
Ugrian languages 494.5
Ugric " 494.51
[4] **Ugro-Ostiak language** 494.513
Uhland, J L Ger. poetry 831.73
Uigurian languages 494.32
Uitenhage history 968.754
Ujiji " 967.89
Ukamba province hist. 967.65
Ukelele music 787.9
Ukerewe history 967.612
Ukraine Eur. w., 1918 940.4374
  history 947.7
  see also Ruthenia
[4] **Ukrainian language** 491.79
Ulan Bator Khoto, Mongolia
  history 951.735
Ulcers surgery 617.24
Ulmaceae botany 583.9625
Ulna anatomy 611.7176
Ulnar nerve " 611.8336
Ulodendraceae botany 587.9114
  paleobot. 561.79114
Ulotrichaceae botany 589.47434
Ulotrichales " 589.474
Ulrich von Lichtenstein
  German poetry 831.28
Ulster
  county, NY history 974.734
  grape viticulture 634.84709
  Ireland history 941.6
Ultimatums int'l law 341.7
Ultra-
  montanism eccles. polity 262.13
    sect. hist. 282
  red, *see* Infrared
  violet phot. f. arts 778.34
    rays optics 535.6
    spectrum 535.84
Ulungu history 968.963
Ulvales botany 589.47435
Ulysipo history 946.94
Umatilla co., Ore hist. 979.569
Umbelliferae botany 583.481
Umbelliflorae " 583.48
Umberto Italian history 945.09
Umbilic
  artery anatomy 611.13771
    mesenteric 611.1364
  cord embryology 611.01385
    pathology 618.38
  vein anatomy 611.1498

Umbrella
stands dom. economy 645.61
library equip. 022.922
office " 651.239
tree
(Combretaceae) botany 583.414
(Magnoliaceae) " 583.114
Umbrellas costume 391.4
dom. economy 646.48
manufactures 685.5
Umbrette (Herodiones)
ornithology 598.34
Umbria history 945.6
ancient 937.4
Umbrian language 477.4
literature 879
Umfolozi history 968.31
Umgeni " 968.45
Umiri tree (Humiriaceae)
botany 583.213
Umkomanzi history 968.45
Umlalazi " 968.32
Umlaut English lang. 421.2
" other " —12
Umluzi history 968.47
Umpiring athletic sports 796.00037
Umpqua
county, Ore history 979.52
River valley, Ore " 979.529
Umsikaba " 968.645
Umsinga " 968.42
Umtali " 968.9345
Umtata River " 968.656
Umvoti div., Natal " 968.44
Umzimkulu River
East Griqualand " 968.633
history 968.49
Umzingwane history 968.9245
Unaka
Mts, Tenn description 917.6888
nat'l forest, Tenn " 917.6899
Unciform anatomy 611.71778
Uncompahgre nat'l forest
Colorado description 917.8819
Unconscious sensations
psychophysics 152.8201
Unconsciousness metaphys. 127
psychol. 153.8
Unction, extreme relig. 265.7
Uncultivated areas
regional planning 711.32
Under glass plants
floriculture 635.98
Under-
carriage aircraft 629.1343843
consumption economics 338.54
see also in Tables subhead Crises under specific types of production, e.g. 338.15
employment labor econ. 331.137
graduate departments
univ. & col. 378.1552
ground
cable manufactures 677.73
conduits
city planning 711.82
road engineering 625.78
street planning 711.728
contact electric
traction lines 621.3325
fungi (Hymenogastrineae) botany 589.2216
lines electric
transmission 621.31923
pipes city planning 711.82
railroad
US Civ. war causes 973.7115
slavery 326.973
railroads engineering 625.4
roads mining 622.62
systems radio 621.3841596
telegraph business 654.4
water physiography 551.49
wires city planning 711.83
see also Subsurface, Subterranean, Subway
hill sheep (Bovidae)
dom. animals 636.3231
pitch vaults
arched constr'n 721.44
planting forestation 634.9566
privileged children
sociology 362.7
production economics 338.54
see also in Tables subhead Crises under specific types of production, e.g. 338.15
shot wheels mech. eng. 621.23
standing psychology 153
studies office econ. 651.3735
takers, *see* Morticians
water, *see* Submarine
wear dom. economy 646.42
manufactures 687.2
writing securities
fin. economics 332.66
Underberg history 968.45
Undulation acoustics 534.1
dynamics 531.33

Undulation (cont.)
optics 535.1
thermology 536.1
Unearned increment tax
public finance 336.226
Uneconomic consumption
use of wealth 339.44
Unemployment
and crime sociology 364.26
taxation pub. fin. 336.295
Unemployment
insurance, *see* Insurance
against unemployment
labor economics 331.137
relief
crime prevention 364.43
labor economics 331.1377
women's economics 331.47
Unfair list cap. & labor 331.893
Unfrocking
ecclesiastic discipline 262.9
Ungava territory hist. 971.28
Ungual phalanges
manual anatomy 611.71795
pedal " 611.71895
Ungulata mammalogy 599.71
Unhealthy dist. city plan. 711.585
Unicameral legislature 328.391
Unicellular organisms
ass'ns of biology 576.5
Unicoi co., Tenn history 976.898
Unicorn folklore 398.4
Unicorn-plant
(Martyniaceae)
garden crops 635.63
Unicycles engineering 629.2271
Uniformity, act of
English church history 274.2
Uniforms
academic univ. & col. 378.29
domestic economy 647.2
for employes lib. econ. 023.95
manufactures 687.15
military equipment 355 81
science 355.14
office personnel 651.445
prisons 365.664
trimmings for mfg 677.76
Union
act, 1840 Can. history 971.039
Civ. war ass'ns US soc. 369.15–.16
county, Ark history 976.761
Fla " 975.914
Ga " 975.8285
Ill " 977.3995
Union (cont.)
county (cont.)
Ind history 977.2625
Ia " 977.785
Ky " 976.9885
Miss. " 976.2925
NJ " **974.936**
NC " 975.6755
O " 977.153
Ore " **979.571**
Pa " 974.848
SC " 975.741
Tenn " 976.8935
labels economics 331.8808
Latin fin. economics 332.43
of South Africa hist. **968**
sovereign states
polit. science 321.022
Soviet Socialist
Republics history 947.08
parish, La " 976.389
Peak, Ore description 917.95915
prisoners of war ass'n 369.155
stations railroads 385.34
veterans of the Civil war
Sons of US soc. 369.165
veterans' union 369.154
Uniondale history 968.739
Unionidae zoology 594.1
Unionism, indus. econ. **331.88**
Unionists in South
US Civil war 973.717
Unions
abnormal botany **581.221**
company indus. rela. 331.152
English local gov't 352.04204
trade economics **331.88**
Unique books rarities 094.2
Unisexuales botany **583.95**
Unit of work mechanics 531.41
[1] **Unitarian church** **288**
United
Americans polit. ass'ns 363
Brethren
In Christ sect. hist. 289.9
Moravian church **284.6**
charities welfare 361.8
Confederate veterans 369.174
Empire loyalists
Canadian history 971.024
Free church 285.6
Kingdom history **942**
[1] **Presbyterian church** **285.4**
Provinces of Agra and Oudh
history 954.2
services, mil. & nav. 355

United (cont.)
sons of Confederate
veterans 369.173
States
daughters of 1776–1812 369.142
ship War of 1812 973.5251
United States of America
Bank of the fin. econ. 332.110973
Christian commission
Civil war 973.7781
religious ass'ns 267.11
Civ. war, *see* Civil war, US
Coast & geodetic survey 526.061
measuring apparatus 526.22
executive branch **353**
gov't and Indians hist. 970.5
history **973**
laws jurisprudence **345**
literature (Eng.) **810**
Mexican war, *see*
Mexican war, 1845–48
Office of education 379.73
revolution, *see*
American revolution
sanitary commission
Civil war charities 973.7771
Spanish Amer. war, *see*
Spanish American war
War of 1812, *see* War of 1812
Units
electric physics 537.7
peculiar to subj., in specific
[2] fields see subject —017
physical science 530.83
Unity
doctrinal theology **231**
landscape art 712.25
of nature science 501
soc. groups sociol. **301.152**
ontology **111.82**
Univalves (Gastropoda)
zoology **594.3**
Universal
biography 920.01
cameras photography 771.312
church comp. religion 291.1
drafting machines
mechanical drawing 744.3
grammar philology **415**
history **909**
languages literature **808.9**
philology **408.9**
shorthand **653.4089**
service military sci. 355.22
suffrage polit. science 324.211
Universala artificial lang. 408.9
Universalism polit. econ. 330.155
[1] **sect. hist.** **289.1**
Universe astronomy **523.1**
[1] **Universities and colleges** **378**
[1] **admission** **371.214**
American revolution 973.315
architecture **727.3**
ass'ns of education **378.06**
calendar **378.14**
churches architecture 726.57
classes **378.155**
clubs education 378.068
courses, length of 378.241
degrees **378.2**
departments **378.155**
disciplinary courts 378.113
education, cost of 378.368
of women **376.6**
employment bureaus educ. 378.364
European war 940.315378
relief units 940.4777
extension courses 378.13
[1] **for women** **376.8**
gov't of education **378.1**
grounds landscape art 712.75
hygiene of dwellings 613.54
insignia 378.27–.29
land grants to pub. fin. 336.14
libraries education 371.647
[1] **lib. economy** **027.7**
library courses 020.716
location, site, etc. educ. 378.153
men, duties of 378.069
museum relations with 069.68
museums in 069.015
education **371.65**
powers conferring degrees 378.21
scholarships 378.34
size of 378.152
sports school hygiene **371.73–.75**
state & national 379.16
student income education **378.36**
tariff exemptions 337.82
training for admin. of **370.7664**
teaching in **370.73264**
US Civil war 973.715
[2] in specific fields see subj. —0711
see also Education, higher
University
and college
[1] **founders biography** **923.7**
settlements labor econ. 331.85
towns city planning 711.47

University (cont.)
people's
adult education 374.9
library as the 021.2
Universology metaphys. 113
Unknowable " 121
Unloading charges, express
railways 385.132391
Unmarried persons demog. 312.5
ethics 176.2
Unpointed arches
architectural constr'n 721.41
multicentered archi. 721.423
Unproductive consumption
use of wealth 339.41
Unreason, Abbot of
social customs 394.2625
Unregeneracy doc. theol. 233.2
Unshu history 952.1961
Unskilled labor econ. 331.798
Upholstering mot. veh. 629.2346
trades 684
Upholstery
domestic economy 645.4
interior decoration 747.5
lace textile mfg 677.76
mot. veh. body 629.2653
materials 629.23234
special fabrics 677.61
textile mfg 677.02864
see also special fibers
Upper
chamber legis. bodies 328.31
extremities
anatomy, regional 611.97
bones of anatomy 611.717
joints of " 611.727
muscles of " 611.737
surgery 617.57
Nile province, Sudan
history 962.9
Palatinate history 943.34
Senegal-Niger history 966.2
Volta " 966.25
Upperdown sheep (Bovidae)
domestic animals 636.3231
Uprisings polit. science 323.2
Upshur co., WVa hist. 975.462
Upson co., Ga " 975.8486
Uptakes
steam boiler furnace 621.18382
Urachus anatomy 611.622
Urakawa history 952.44
Ural-Altaic languages 494
Uralic languages 494.5
Uranium chemistry 546.79
Uranography astronomy 523
Uranolatry comp. relig. 291.2128
Uranotypes photography 772.45
Uranus astronomy 523.47
Greek mythology 292
occult astrology 133.532
Urates physiology 612.461267
Urban
aid welfare work 361.2
areas and crime sociol. 364.253
banking fin. econ. 332.1
birth rate demography 312.1
churches architecture 726.532
communities polit. sci. 323.352
concentration city plan. 711.13.
devclopment surveys
city planning 711.11
districts city planning 711.43
land, economic use of 333.77
libraries 027.4222
mortality pub. health 614.145
population demography 312.9
prisons sociology 365.52
rent land economics 333.6
residential districts
city planning 711.583
roads engineering 625.712
transit city planning 711.7
sociology 388
see also City, Civic, Municipal
Urbana, Ill history 977.366
Urbanization of population
city planning 711.13
immigration 325.12
Urchins, sea- (Echinoidea)
fishery 639.6
Urdu language 491.43
Urea
in red corpuscles
physiology 612.11119
physiology 612.4612
of liver 612.3531
nutrition 612.398193
Ureameters physiology 612.46121
Uredefort history 968.54
Uredinales botany 589.225
Uregga history 967.56
Uremia pathology 616.63
physiology 612.466231
Ureter " 612.4671
Ureteric ligature physiology 612.46623
Ureters anatomy 611.617

Urethra anatomy 611.623
female
anatomy 611.674
gynecology 618.16
pathology 616.64
physiology 612.4671
Urethral openings anat. 611.6213
Urfé, Honoré d' Fr. fict. 843.41
Urga, Mongolia history 951.735
Uric acid
physiology of kidneys 612.46125
Urinals
and pollution pub. hyg. 614.764
public sanitary eng. 628.45
Urinary
discharge physiology 612.467
organs anatomy 611.61
pathology 616.63
technology physiology 612.46117
secretion botany 581.1492
zoology 591.149
Urine
abnormal substances in
physiology 612.4666
analysis chemistry 543.9
diagnosis 616.0756
physiology 612.46
Uriniferous tubules anat. 611.615
[4] **Uriya language** 491.45
Urns landscape art 717.9
Urobilin & urochrome
physiology 612.46127
Urodela herpetology 597.9
Urogenital sinus anat. 611.629
Ursidae mammalogy 599.74446
Ursulines
religious sisterhoods 271.974
Urticales botany 583.962
Urticaria pathology 616.51
Urua history 967.58
Uruguay " 989
Urumchi, China " 951.6
Urundi " 967.57
Usages, social
customs & manners 395
Use and serviceability
viewpoint, in specific fields
[2] see subject —004
Useful arts 600
Usefulness, in specific fields
[2] see subject —013
Ushu history 952.115
Usneaceae botany 589.171
Ustilaginales " 589.227
Usury commercial law 347.7
fin. economics 332.83
Utah, acquisition US hist. 973.621
admission " " 973.87
history 979.2
see note under Virginia
Ute Indian reservation
Colorado history 978.827
Utensils kitchen equip. 643.35
Uterine artery anatomy 611.13773
medicines therap. 615.766
plexus anatomy 611.8393
Uterus
anatomy 611.66
gynecology 618.14
inflammation of
obstetrics 618.73
inversion of obstetrics 618.57
masculinus anatomy 611.6231
physiology 612.627
Utica, NY history 974.763
Utilitarianism ethics 171.5
philos. 144
Utilities
public
commerce 380
ownership & control 380.166
underground city plan. 711.8
Utility, theory of
political economy 330.162
in specific fields
[2] see subj. —013
Utilization departments
library administration 025.3–.6
Utopia, More's Eng. fict. 823.2
Utopian socialism
political economy 335.1
Utopias city planning 711.427
polit. science 321.07
Utrecht
Natal history 968.41
treaty of, 1713
Canadian history 971.018
international law 341.24
Utricle anatomy 611.8525
physiology 612.8582
psychology 152.282
Uveal tract anatomy 611.842
ophthalmol. 617.72
physiology 612.842
psychology 152.12
Uvula anatomy 611.315
Uzen history 952.117

Topics in black face type are subdivided. Superior figures refer to the tables following this index

V

V roofs archi. constr'n 721.585
type airplane eng. 629.13516
Vacancies in legislature 328.3357
Vacation
courses and schools
education 371.232
[1] **adult** 374.8
univ. & col. 378.142
[2] in other fields see subj. —0716
passenger rates railways 385.132244
Vacations and leaves
hygiene 613.76
library staff time 023.66
office economy 651.426–.427
school calendar 371.23
hygiene 371.71
students 371.52
Sunday school 268.77
teachers 371.167
workmen 331.816
Vaccinal syphilis
public health 614.4733
Vaccinations pub. health 614.473–.474
Vacciniaceae botany 583.611
Vaccinotherapy medicine 615.37
Vacuolaria botany 589.9743
Vacuoles veget. cytol. 581.8744
Vacuum
apparatus library bldg 022
cleaners dom. economy 648.52
engineering 621.55
lamps elec. lighting 621.3273
mach. refrigeration 621.575
operations prac. chem. 542.48
pumps & regulators
practical chemistry 542.77
tubes radio 621.384132
Vadé, Guillaume, *pseud.*
French drama 842.56
Vaga sheep (Bovidae)
domestic animals 636.3317
Vagabonds charity 362.51
pauperism 339.14
Vagina
admin. of medicines by 615.66
anatomy 611.671
gynecology 618.15
Vaginal artery anatomy 611.13773
Vaginalis " 611.6313
Vagrancy charity 362.51
pauperism 339.14
Vagus nerve
anastomosis with spinal
accessory nerve
physiology 612.819921
anatomy 611.83191
nucleus of
anatomy 611.8187
and respiration
physiology 612.282
physiology 612.81991
of heart 612.1781
larynx 612.7822
respiration 612.287
stomach 612.3272
Valais
goat, Swiss (Bovidae)
dom. animals 636.3936
sheep, Swiss (Bovidae)
dom. animals 636.3336
Valdés, Juan Meléndez
Spanish poetry 861.46
Valdignier grape vitic. 634.8544
Valdosta, Ga history 975.8865
Valencia " 946.7
Valencies chemistry 541.39
Valentine state (Ariz)
history 979.1
Valerian pharmacy 615.323531
therapeutics 615.789
Valerianaceae botany 583.531
Valerius Flaccus, Caius
Latin epic poetry 873.3
Valilene org. chemistry 547.24
Valises manufactures 685.512
Vallenberg, Jacob
Swedish fiction 839.7342
Valley
county Ida history 979.676
Neb " 978.248
Forge, Pa Amer. revol. 973.3341
roofs archi. constr'n 721.592
Valleys
landscape ground forms 713.5
physiography 551.43
river engineering 627.1
Vallisneriaceae botany 584.11
Valois
architecture 724.14402
house of Fr. history 944.025–.027
Valoniaceae botany 589.4736
Valor ethics 179.6

Valsaceae botany 589.2351
Valsalvan sinuses anat. 611.1265
Valuation
forestry 634.92842
of land polit. economy 333.332
real property taxation 336.222
tax assessment 336.292
Value
average, accuracy of
math. probabilities 519.6
metaphysics 121
money 332.413
normal wages 331.214
political economy 330.1
standards, metallic
fin. econ. & coinage 332.42
theories of polit. econ. 330.162
thermodynamic
metabolism 612.39
see also names of specific food elements
[2] in specific fields see subj. —013
Values
and prices economics 338.52
color painting 752.1
contrasting drawing 741.434
drawing 741.45
insurance of business 368.81
psychology of reasoning 153.664
Valve
bugle brass instr. 788.47
gear locomotive eng. 621.1342
governors mot. veh. 629.2582
motions mech. eng. 621.84
systems radio 621.3841534
Valves
blowout- steam boilers 621.18479
cardiac, *see* Cardiac valves
distributing
steam piping 621.1855
hydraulics 532.55
locomotive steam eng. 621.1342
mech. engineering 621.846
mot. veh. engines 629.2527
radio tubes 621.384132
safety steam boilers 621.18473
sewerage engineering 628.257
steam pressure eng. 621.1854
turbines 621.16535
Valvulae conniventes anat. 611.3414
Vampire
(Chiroptera) mammalogy 599.4
folklore 398.4
sorcery 133.42
Vampyrellaceae (Myxomycetes) botany 589.29
Van, Armenia European war 940.4332
history 956.6
Vanadates mineralogy 549.72
Vanadium
and chromium processes
dye photography 773.53
tin groups chem. 546.8
group chemistry 546.85
processes photography 772.72
Vanbrugh, John Eng. drama 822.47
Van Buren, Martin, pres.
US history 973.57
Van Buren co., Ark hist. 976.729
Ia " 977.798
Mich " 977.413
Tenn " 976.8657
Vance co., NC " 975.653
Vancouver co., Wash hist. 979.786
Island " 971.1
Vandals hist., ancient 936.313
Vanderburg co., Ind hist. 977.233
Van Dieman's Land " 994.6
Vandyke process
photogravure 777.1
photometalography 776.1
Vane, curved, wheels
mechanical engineering 621.232
Vanes
guide hydraulic turbines 621.241
roof construction 721.562
steam turbines 621.16532–33
theory 621.16512–13
water wheels 621.21
Vanga history 967.66
Vanilla (Orchidaceae)
field crops 633.821
Vanity ethics 179.8
Van Rhynsdorp history 968.728
Vans commerce 388.3
motor vehicles 629.2242
operation 629.284
transport business 656
Van't Hoff equation chem. 541.39
Van Wert co., O history 977.141
Vapor
baths, *see* Steam baths, Turkish baths
engines, binary eng. 621.44
lighting
electric engineering 621.327
incandescent phot. 771.4477
spirit " 771.446

Vapor (cont.)
physics 533.1
tension chemistry 541.331
Vaporization prac. chem. 542.48
thermology 536.44
Vaporized gases
photographic lighting 771.446
Vaporizer
motor vehicle engines 629.2532
Vaporography photography 771.5345
Vapors, inhalation of hyg. 613.62
meteorology 551.57
Var history 944.93
Varangian kingdom
Russian history 947.02
Varchi, Benedetto
Italian essays 854.38
Vardar River Eur. w., 1915 940.4256
1918 940.4376
Varia, in specific fields
[2] see subject —088
Variables
complex algebra 512.82
calculus 517.8
independent, change of
calculus 517.23
Variation
abnormalities in bot. 581.159
zool. 591.159
and chemic agents bot. 581.15274
climate " 581.1522
development " 581.15123
electricity " 581.1524
food " 581.15272
gravity " 581.1525
heat " 581.15222
heredity " 581.15126
light " 581.1523
mech. forces " 581.1525
nutritive agents " 581.1527
periodicity " 581.15132
recapitulation " 581.151233
selection " 581.1514
solutions " 581.15275
water " 581.15273
biology 575.2
botany 581.15
colorational botany 581.157
floric. 635.9782
zoology 591.157
correlated botany 581.15124
environmental " 581.152
extrinsic causes of " 581.152
Variation (cont.)
geographic botany 581.1526
zoology 591.152
heterophagic botany 581.153
zoology 591.153
intrinsic causes of botany 581.158
mimetic botany 581.155
zoology 591.155
modifications in bot. 581.152
movements " 581.1852
negative physiology 612.0144232
of nerves 612.8132
physiology 612.6052
plant breeding 631.523
polygoneutic botany 581.154
zoology 591.154
polymorphic botany 581.1519
zoology 591.151
secular botany 581.15132
sexual " 581.156
zoology 591.156
viticulture 634.836
zoology 591.15
zootechny 636.08211
Variations
calculus of 517.4
diff., of coordinates
astronomy 522.74
fluctuating biology 575.125
music form 781.50832
piano music 786.48
Varietal vs specific characters bot. variation 581.151311
Variety drawing compos. 741.434
theaters archi. 725.823
Variolation pub. health 614.472
Varioloid, *see* Smallpox
Variometers radio 621.38413323
Varnish
mfg and pollution
public health 614.736
silver process phot. 772.13
Varnishes
chemic technology 667.7
economic botany 581.6477
mot. veh. finish 629.268
materials 629.23237
painting, art 751.25
retouching photography 771.45
Varnishing
cinematic films 778.58
painting technic 751.41
trade 698.3

Varnishing (cont.)
photographic prints 770.2843
process elec. eng. 621.318
Vas aberrans anatomy 611.1354
deferens " 611.634
Vasa aberrantia " 611.633
brevia " 611.13642
efferentia " 611.6311
Vascular
cryptogams (Pteridophyta)
botany 587
system anatomy 611.1
botany 581.41
pathology 616.1
physiology 612.1
zoology 591.11
Vasculosa anatomy 611.6313
Vasectomy crime prevention 364.42
Vases
artistic furniture 749.75
domestic economy 645.5
landscape art 717.9
pottery 738.38
precious metals arts 739.2184
sculptural fine arts 731.72
Vashon Island, Wash hist. 979.777
Vaso-
constrictors physiol. 612.183
dilators " 612.184
motor neurosis pathol. 616.898132
psychol. 132.198132
motors, and temperature
physiology 612.531
cerebral " 612.8243
physiology 612.18
Vasquez de Coronado, Francisco Amer. history 973.16
Vassal state polit. sci. 321.028
Vassalage feudalism 321.3
Vasti anatomy 611.73822
Vater's ampulla anatomy 611.367
Vatican
City eccles. polity 262.132
history 945.6
council, 1870
ecclesiastic polity 262.13
Vaticinations psychology 133.3
Vats voltaic cells 621.3521
Vattemare exchanges of
books, etc lib. econ. 021.852
Vaucheriaceae botany 589.4722
Vaucherioideae " 589.472
Vaucluse history 944.92
Vaudeville music 782.8
theater 792.2
architecture 725.823
Vaudois
religious persecution 272.3
[1] **sectarian history** 284.4
Vaudreuil co., Que hist. 971.426
Vaulting athletics 796.43
hygiene 613.72
Vaults
arched constr'n 721.43–.45
architectural design 729.34
carved archi. dec. 729.583
mortuary architecture 726.82
painted archi. dec. 729.483
Vaux Eur. w., 1915 940.4244
1916 940.4273
1918 940.4344
Vázquez, Joseph, *pseud.*
Spanish poetry 861.42
Vector
analysis algebra 512.89
euqation of radius
astronomy 521.38
Vedas Sanskrit lit. 891.2
Vedel, A S Danish lit. 839.8183
Vedic relig. comp. theol. 294.1
Vega Carpio, L F de
Spanish drama 862.31
Garcilaso de la
Spanish poetry 861.31
Vegetable
albuminoids
physiol. of nutrition 612.39815
anatomy 581.4
ashes fertilizers 631.831
chemistry 547
compost fertilizers 631.875
drugs pharmacy 615.32
dye plants field crops 633.86
farms agriculture 631.142
fibers
braiding & plaiting 677.54
field crops 633.5
textile mfg 677.1–.2
food assimilation bot. 581.133552
physiology 612.3927
foodstuffs cookery 641.6
dom. econ. 641.3
forms, carved archi. 729.51
painted " 729.41
gardening agriculture 635
gardens landscape art 712.63
irritants toxicology 615.93

Vegetable (cont.)
kingdom, *see*
Botany, Flora, Plants
manures fertilizers 631.87
markets dom. econ. 641.48
marrow (Cucurbitaceae)
garden crops 635.623
milks dairy industry 637.181
nitrogen fertilizers 631.847
oils & fats chem. tech. 665.3
oyster (Cichoriaceae)
garden crops 635.16
parasites pathology 616.969
botanic 581.232
physiology 581.1
products eng. materials 620.197
residues fertilizers 631.876
sheep (Inulaceae) bot. 583.5542
sponge (Cucurbitaceae)
garden crops 635.627
substances chem. anal. 543.8
trades and pollution
public health 614.73
wool textile mfg 677.37
Vegetables
and animals
physiologic comparison 612.0135
art anatomy 743.74
as food dom. economy 641.13
fresh state inspection 614.316
painting 758.44
preserved
chemic technology 664.8
state inspection 614.318
root crops 633.4
Vegetarianism ethics 179.3
hygiene 613.26
physiology 612.39271
Vegetation
accessory forestry 634.949
see also Botany, Flora, Plants, etc.
Vegetative
points physiol. botany 581.13422
reproduction biology 574.165
Vehicle factories archi. 725.45
meters mfg 681.124
Vehicles
agricultural transport 631.373
antennas for radio 621.3841359
for special purposes 629.228
local transit 388.3
manufactures 684
motor engineering 629.2
Vehicles (cont.)
self-propelled
combustion engines 621.4384
wheelless agric. 631.3733
Vehicular
data city planning 711.721
ferries commerce 386.62
Veils costume 391.4
dom. economy 646.484
manufactures 677.65
protective apic. 638.1415
Veins
admin. of medicines by 615.65
air in physiology 612.1341
anatomy 611.14
fluid hydraulics 532.52
geology 551.88
economic 553.19
pathology 616.14
pressure in physiology 612.144
vegetable morphology 581.414
Veldeke, Heinrich (Heinrije van) Dutch poetry 839.31112
German " 831.23
Veldlakers cattle (Bovidae)
domestic animals 636.2354
Velloziaceae botany 584.28
Vellum books rarities 096.2
surfaces painting 751.228
Velocipedes engineering 629.227
sports 796.6
water 797.17
Velocity
in sewers san. eng. 628.219
measurers horology 681.1184
of light optics 535.2
liquids hydraulics 532.57
reaction
chemodynamics 541.39
sound physics 534.2
radio waves 621.384111
turbines steam eng. 621.16522
Velodromes architecture 725.863
Velour textile mfg 677.02864
see also special fibers
Veltliner grape vitic. 634.8543
Velum
anatomy 611.315
interpositum anatomy 611.8192
medullare anterius " 611.8163
posterior " 611.81711
Velvet special fabrics 677.61
textile mfg 677.02864
see also special fibers

Velvet-bean (Fabaceae)
field crops 633.363
Velveteen cotton mfg 677.2164
Vena cava, inferior anat. 611.146
superior " 611.145
Venae cordis " 611.142
Venango co., Pa history 974.896
Venation veget. morphol. 581.414
Vendée
history 944.61
revolt, 1792–96
French history 944.042
Vendettas and crime sociol. 364.256
Vending machines
manufactures 681.131
selling methods 658.84
Vendors commercial law 347.7
Veneer grafting agric. 631.54135
manufactures 674
mills architecture 725.442
Veneering
architectural decoration 729.67
library buildings 022.346
lumber forest products 634.9844
Veneration relig. emotion 291.12
Venereal diseases
pathology 616.951–.952
prison hygiene 365.664
public health 614.547–.548
Venery, excessive
effects of pathology 616.984
Venesection therapy 615.811
Venetia hist., ancient 937.3
Venetian
blinds archi. constr'n 721.873
carpet manufactures 677.643
doors archi. constr'n 721.833
shutters " " 721.872
windows " " 721.843
Venezia history 945.3
Venezuela
boundary dispute, 1896
US history 973.87
history 987
Venial sin doc. theol. 233.21
Venice history 945.3
Venomous snakes (Ophidia)
herpetology 598.126
Venoms physiology 612.314
Venous
blood physiology 612.114
circulation " 612.134
duct of Arantius anat. 611.1497
thrombosis obstetrics 618.77
Vent ordnance 623.4242
plug gun mounts 623.4355
Ventilation
aircraft constr'n 629.13434
building industry 697.9
domestic economy 644.5
industrial archi. 658.25
library buildings 022.89
mechanism & constr'n
sewerage engineering 628.238–.239
mining 622.4
moving picture cameras 778.533
museum buildings 069.29
prisons 365.55
sanitary engineering 628.8
school buildings 371.628
sewerage engineering 628.23
shipbuilding 623.85
thermology 536.84
YMCA buildings 267.32
Ventilators
architectural constr'n 721.895
mot. veh. equipment 629.2785
sewerage engineering 628.256
Ventral
column anatomy 611.8221
commissure, white spinal
anatomy 611.8258
Ventricle, 3d anatomy 611.8148
4th " 611.8185
5th " 611.8139
Ventricles
cardiac anatomy 611.124
laryngeal " 611.224
lateral (1st & 2d) " 611.8138
Ventricular coronary vein
anatomy 611.1493
Ventriloquism physiology 612.7895
recreation 791.1
Ventura co., Calif. hist. 979.492
Venus
astronomy 523.42
girdle of palmistry 133.6432
mercenaria (Lamellibranchiata) fishery 639.4
mount palmistry 133.642
occult astrology 133.532
Roman mythology 292
transits of astronomy 523.92
Vera Cruz, Mexico
battle, 1847 US hist. 973.6237
history 972.6
Veraguth's method
comparative psychology 151.3072588

Veranda furnishing
  domestic economy 645.8
Verandas archi. constr'n 721.867
  design 729.3867
Verants photography 771.46
Verascopes " 778.42
Veratrum (Melanthaceae)
  depressants 615.716
  pharmacy 615.324321
Verbenineae botany 583.88
Verbs English etymol. 422.8
  [3] other lang. —28
  morphology 425.18
  [3] other lang. —518
  syntax 425.8
  [3] other lang. —58
Verchères co., Que hist. 971.436
Verdal grape viticulture 634.849
Verdun, France
  Eur. w., 1914 940.4218
  1915 940.4244
  1916 940.4273
  air raids 940.446
  1917 940.4318
  history 944.381
Verga, Giovanni It. fict. 853.84
Vergennes grape vitic. 634.847
Vergilius Maro, Publius
  Latin epic poetry 873.1
Veridic hallucinations
  spiritism 133.90162
Vérignon process phot. 772.12
Vermes articulates 595.1
Vermiculation mosaics 729.76
Vermiform appendix, *see*
  Appendix, vermiform
Vermifuges physiology 612.3363
  therapeutics 615.733
Vermilion
  county, Ill history 977.365
  Ind " 977.246
  parish, La. " 976.351
Vermont
  admission US history 973.41
  history 974.3
    see note under **Virginia**
Vernation leaf morphology 581.4974
Vernatsch grape vitic. 634.85436
Vernon co., Mo history 977.844
  Wis " 977.573
  parish, La. " 976.361
Vernoniaceae botany 583.5545
Verona history 945.3
Verplanck, G C Amer. wit 817.25
Verrazano, Giovanni da
  American history 973.18
Verruca pathology 616.54
Verrucariaceae botany 589.16
Versailles history 944.36
Verse, textbooks for writing
  English prosody 426.8
  [3] other lang. —68
Verses liturgic music 783.23
Versification
  English prosody 426.2
  [3] other lang. —62
Version obstetrics 618.82
Vertebral artery anatomy 611.1349
  vein " 611.1453
Vertebras
  anatomy 611.711
  articulations of anat. 611.721
Vertebrates paleozoology 566
  zoology 596
Verteuil grape vitic. 634.8544
Vertical
  files
    library furniture 022.916
    office " 651.236
    storage of
      office records 651.546
  prime astron. instr. 522.47
  sections archi. design 729.18
Verticillatae (Casuarinaceae)
  botany 583.975
Vertigo pathology 616.841
  physiology 612.8863
  psychology 152.67363
Vertimeters aircraft 629.13514
Verumontanum anatomy 611.6231
Vervain (Verbenaceae) bot. 583.881
Verzy (Verzenay) grape
  viticulture 634.8544
Vesical
  apparatus innervation
    physiology 612.4673
  arteries anatomy 611.13771–72
  plexus " 611.839
Vesicants therapeutics 615.774
Vesicular affection of
  skin pathology 616.52
Vespasiano da Bisticci
  Fiorentino It. essays 854.23
Vespers music 783.24
  ritual, Catholic 264.024
    Greek 264.0194
    Prot. Epis. 264.034
    etc.

Vespidae entomology 595.798
Vespucci, Amerigo
American history 973.16
Vessels
bronze archeology 571.37
naval engineering **623.8**
neolithic archeology 571.27
sacred religion **247**
Vesta astronomy 523.44
occult astrology 133.532
Roman mythology 292
Vestibular
ganglion anatomy 611.89185
glands, greater " 611.677
physiol. 612.494
nerve anatomy 611.83185
nucleus of " 611.8178
Vestibule
church architecture 726.591
osseous, of ear anat. 611.853
schools labor econ. 331.86
Vestments, relig. eccles. 247.7
mfg 687.15
Vest-pocket cameras phot. 771.3148
Vetch, kidney- (Fabaceae)
field crops 633.362
Vetches (Fabaceae)
field crops 633.35
Veteran relief union
Women's US societies 369.162
Veterans
association, Confederate 369.172
National ass'n of naval 369.157
of the
Civ. war, Sons of Union 369.165
Mex. war, Nat'l ass'n 369.146
regular army and navy
of the US, Society of 369.112
relief military sci. 355.115
Spanish war US soc. 369.181
United Confederate 369.174
union, Union US soc. 369.154
see also Soldiers
Veterinary
data logging camp 634.982258
medicine **619**
zootech. **636.089**
rooms architecture 728.948
Vetiver (Andropogoneae)
field crops 633.815
Veto
passing over legis. 328.375
pocket " 328.375
power, pres. US gov't 353.03
Vetticost (Valerianaceae)
garden crops 635.57
Vexilla floral anatomy 581.4632432
Vexillary
disposition
veget. fertilization 581.1662562
estivation botany 581.4634
Via lascivia palmistry 133.6432
Viaducts
city planning 711.726
engineering **624**
landscape constr'n 713.74
street railway
city planning 711.752
Viaticum sacraments 265.7
Viau, Théophile de Fr. wit 847.41
Vibration
dynamics 531.32
sensibility to
physiology of hearing 612.85876
psychology " " 152.2876
shipbuilding 623.87
Vibrations
atmospheric acoustics 534.1
superposition of " 534.5
Viburnum opulus (Caprifoliaceae) fruitculture 634.745
pharmacy 615.323511
therapeutics 615.766
Vicarages architecture 726.91
Vice
administrative control **351.76**
and genius psychology 151.164
illiteracy educ. 379.21
criminal law 343
ethics **170**
solitary ethics 176.4
Vicia
faba (Fabaceae)
garden crops 635.651
(Fabaceae) field crops 633.35
Vicieae (Fabaceae)
field crops 633.378
Vicious manias psychol. 132.7
Vicksburg, Miss.
naval operations, 1863
US Civil war 973.753
siege, 1863 US Civ. war 973.7344
Vicq-d'Azyr, bundle of
anatomy 611.8142
Victor
Emmanuel 2 It. history 945.08–.09
3 " " 945.09
Victoria, Queen Eng. hist. 942.081

Victoria
  Australia history 994.5
  county, NB " 971.553
    NS " 971.693
    Ont " 971.364
  cross military science 355.134
  East history 968.7595
  Natal " 968.46
  Nyanza, Kamerun hist. 967.612
    Tanganyika " 967.88
  Rhodesia history 968.932
  Springs state park, Neb.
    description 917.8247
  swine (Suidae)
    domestic animals 636.4844
  West history 968.746
Victorian furn. f. arts 749.224
[1] **Gothic archi.** **724.4**
Victrolas manufactures 681.84322
  music 789.9
Vicuña
  (Cameloidea) mammal. 599.7354
  hair industry **677.32**
Vidal, Arnaut
  Provençal poetry 849.131
  phot. f. arts 774.8
Vienna
  congress of, 1814–15
    European history 940.27
    international law 341.1
  history 943.61
  int'l polit. econ. 335.423
Vienne, city, Fr. history 944.99
  dept, Fr. " 944.63
Vieussens
  semioval centrum of 611.8137
  valve anatomy 611.8163
View
  angle of phot. lenses 771.352
  meters photography 771.37
Viewing devices
  photography 771.46
    stereoscopic 778.44
Vigna sinensis (Fabaceae)
  field crops 633.33
Vignetters, camera phot. 771.37
  print " 771.41
Vignettes engraving **769**
Vigny, A V Fr. drama 842.75
  poetry 841.76
Vigo co., Ind history 977.245
Viharas architecture 726.7799431
Vikings history 948.01–.02
Vilas co., Wis history 977.523
Village
  churches architecture 725.534
  communities, ancient
    polit. science 321.2
  halls architecture 725.137
  homes " **728.6**
  influences psychology 136.264
  libraries 027.4223
  life polit. science 323.354
  newspapers journalism 070.236
  planning civic arts 711.43
  schools public educ. 379.173
  system production 338.63
  water supply san. eng. 628.7
Villain process phot. 773.53
Villard rays photography 771.5345
  physics 539.7
Villari, Pasquale
  Italian essays 854.84
Villas architecture 728.84
  small archi. **728.6**
Villemain, A F Fr. essays 844.72
Villenage feudalism 321.3
  soc. classes 323.34
Villi, lacteal anatomy 611.4265
Villon, François Fr. poet 841.25
Vilna, *see* Wilno
Vimanas architecture 726.145
Vimy Ridge European war 940.4315
Vinay grape viticulture 634.8544
Vincennes, Ind battle
  American revolution 973.3348
Vincent de Paul, sisterhood
  religious order 271.91
Vinci, Leonardo da
  Italian essays 854.25
Vinciguerra, Antonio
  Italian wit 857.23
Vindelicia hist., ancient 939.83
Vine
  family (Vitaceae) bot. 583.2792
  layering plant culture 631.5347
Vinegar making
  and pollution pub. hyg. 614.733
  chemic technology 664.5
Vines
  floriculture **635.9742**
  house floriculture 635.96524
  landscape art 715.17362
  nectariferous apic. 638.1324
  vegetable ecology 581.52643
  woody botany 582.18
    landscape art **715.4**

Vineyard
plow farming 631.3127
products viticulture 634.87
Vineyards, *see* Viticulture
Vinifera, vitis
[1] **agriculture 634.85**
American agriculture 634.849
[1] **hybrids 634.84109**
of Hungary 634.85439
Parthia 634.85356
Spain 634.8546
etc.
see also Viticulture
Vinton co., O history 977.1837
Viognier grape vitic. 634.8544
Viola musical instrument 787.2
Violaceae, Violarieae bot. 583.135
Violet
dogtooth- (Liliaceae)
botany 584.32
(Violaceae) field crops 633.811
Violin musical instr. 787.1
Violoncello " " 787.3
Virgil Lat. epic poetry 873.1
Virgin
islands history 972.97
Mary, *see*
Madonna; Mary, Virgin
Virginal music 786.221
Virginia
colony, settlement
US history 973.21
creeper (Vitaceae)
floriculture 635.97423
landscape art 715.47232792
grape, Norton's vitic. 634.845109
reel dances 793.34
state
history 975.5
For participation in various wars see, under respective nrs for those wars, subdivisions **Military history, Campaigns, Welfare work,** etc.; e.g. 973.3455 Virginia in the Amer. revol.; 973.52455 Virginia in War of 1812; 973.7327 Peninsular campaign, 1862; 940.4778755 Virginia welfare work in Eur. w., 1914–19; etc.
secession US hist. 973.713
strawberry (Rosaceae)
fruitculture 634.754
Virginian hemp (Eupatoriaceae) botany 583.5544
Virginity relig. asceticism 248
Virginius, ship, incident
1873 US history 973.82
Virgo occult astrology 133.522
Virtues ethics 170
innate soteriol. 234.14
Virus diseases
apiculture 638.1542
pathology 616.9
botanic 581.234
public health 614.4–.5
Visceral
arteries, iliac anatomy 611.1377
thoracic " 611.1355
cranium " 611.716
perceptions psychology 152.6739
tests " 152.6789
Viscoideae (Loranthineae)
botany 583.941
Viscose films phot. chem. 771.523
silk textile mfg 677.463
Viscosity
aerodynamics 629.13237
mesology 612.0144627
of gases chemistry 541.331
physics 533.1
liquids chemistry 541.321
physics 532.1
solids chemistry 541.31
solutes " 541.341
Vishnu comp. religion 294
Visibility aeronautics 629.1324
Visible
image phot. chemistry 771.538
speech phonology 414
Visigoths hist., ancient 936.362
Spanish 946.01
Vision
anatomy 611.84
binocular optics 535.7
physiology 612.8462
psychology 152.162
direct physiology 612.843622
psychology 152.13622
disorders ophthalmol. 617.75
physiology 612.845
psychology 152.15
school hyg. 371.72
double ophthalmology 617.76
physiology 612.8468
psychology 152.168
field of physiology 612.84362
psychology 152.1362
indirect physiology 612.843623

Vision (cont.)
of Isaiah pseudepigrapha 229.913
optics 535.7
perimetry of physiol. 612.843623
physiology 612.84
pseudoscopic physiol. 612.843722
psychol. 152.13722
psychology 152.1
Visionaries **psychology** 132.5
Visions & dreams " 135.3
Visitation
and search law of war 341.3
of Mary, Nuns of the
religious orders 271.975
pastoral religion 253
Visitations **heraldry** 929.7
Visiting teachers
crime prevention 364.45
school & community 371.103
Visits, school educ. meth. 371.393
Visors mot. veh. equip. 629.2784
Visscher, M T Dutch poet. 839.31133
Vistas archi. plans 729.26
landscape art 712.28
Vistula-San battles Eur. w. 940.4223
Visual
acuteness physiology 612.84363
psychology 152.1363
advertizing business 659.13
angle optics 535.7
physiology 612.84362
center anatomy 611.8144
physiology 612.84371
psychology 152.1371
chromisms " 152.77121
impressions physiol. 612.8435
psychol. 152.135
instruction
educational methods 371.335
Sunday schools 268.635
parallax optics 535.7
physiology 612.8437233
psychology 152.137233
perception
physiology 612.8437
psychology 152.137
tests physiology 612.848
psychology 152.18
phonisms " 152.7721
sensibility physiology 612.84363
psychology 152.1363
synesthesia " 152.771
type personality 137.45
Vitaceae botany 583.2792
Vital
and physical phenomena
biology 577.3
capacity respiration 612.24
force biology 577.6
physiology 612.0137
functions biology 574.1
botany 581.1
physiology 612
zoology 591.1
phenomena biology 577
statistics demography 312
pub. health 614.1
Vitalis, *pseud.* Swed. wit 839.7762
Vitalism biology 577.213
philosophy 147
physiology 612.0134
Vitality biology 574.139
physiol. bot. 581.139
zool. 591.139
Vitamins
biologic chemistry 574.194
botanic " 581.194
home economics 641.1
physiologic chemistry 612.0151
physiology of nutrition 612.39
Vitellin sac embryology 611.01381
Vitelline painting medium 751.242
Viticulture agriculture 634.8
in Hungary 634.8094391
Parthia 634.809356
Spain 634.80946
etc.
Vitis, Vitoideae, Vitaceae
botany 583.2792
see also Vinifera, vitis; also qualifying or specific terms
Vitreous
body anatomy 611.8447
glaze stoneware 738.33
humor ophthalmology 617.74
physiology 612.8447
psychology 152.147
Viva voce vote legis. 328.375
Vivace music form 781.50811
Viverridae mammalogy 599.74422
Vividness and attention
psychology 152.723222
Viviparity biology 574.168
botany 581.168
zoology 591.168
Vivisection
and state laws
public health 614.22

Vivisection (cont.)
animal anatomy 591.7
ethics 179.4
physiology 612.072
Vlach, *see* Wallachian
Vocables physiology 612.850123
psychology 152.20123
Vocabularies, in specific
[2] fields see subject —03
Vocal
cords anatomy 611.225
false anatomy 611.223
ensembles music 784.062–.068
sacred 783.8
expression psychology 158.83
hygiene music 784.93
oratory 808.5
interpretation music 781.6327
music, *see* Music, vocal
organs
acoustics 534.7
anatomy 611.2
animal physiol. 612.786
innervation of " 612.819923
pathology 616.2
physiology of 612.78
music 784.92
Vocalists biography 927.84
Vocation, choice of educ. 371.425
Vocational
education 371.42
training economics 331.86
education 371.426
in Germany 371.426943
Pennsylvania 371.4269748
Sweden 371.4269481
etc.
prison schools 365.662
Vochyaceae (Vochysiaceae)
botany 583.145
Völkerpsychologie 136.4
[4] **Vogul language** 494.512
Voice
and vagus nerve physiol. 612.819917
culture music 784.9
oratory 808.5
imitating instr. mfg 681.825
physiology of 612.78
music 784.92
recording & reproducing instruments mfg 681.84
register music 784.92
physiol. 612.784
signs English etymol. 422.8
[3] other lang. —28
Voices and instr. music 781.633
Void cosmology 114
[4] **Volapük universal lang.** 408.91
Volcanic ashes petrology 552.22
rocks " 552.2
Volcanoes
and plant succession bot. 581.5243221
seismology 551.21
Volition, *see* Will
Volkmann's canals histol. 611.01843
Volkslieder, *see* Folk-songs
Volley-ball sports 796.32
Vologda history 947.2
Volstead, A J, act, 1920
temperance 178.5
US history 973.913
Volta
Black & White dist. hist. 966.79
Upper " 966.25
Voltage measurement radio 621.384176
Voltaic cells elec. eng. 621.35
elec. physics 537.5
Voltaire, F M A de
French drama 842.56
fiction 843.54
Voltmeters elec. eng. 621.3743
Volume
determination chem. 542.35
growth
forest mensuration 634.928536
tables 634.928546
Volumetric anal. chem. 545.5
geometry 513.3
Voluntarism philosophy 141
Voluntary
action psychol. of will 159.2
ass'ns, soc., etc., in
[2] specific fields see subj. —062
organ music 786.87
type personality 137.45
Volunteer
service abuse econ. 331.65
state (Tenn) history 976.8
Volunteering Eur. war 940.402
Volunteers
military science 355.22
office personnel 651.3748
Society of loyal 369.153
Volusia co., Fla hist. 975.921
Volvocaceae botany 589.47534
Volvocales " 589.4753
Vomer anatomy 611.7159
Vomiting pathology 616.33
physiology 612.3277
Vomitories therapeutics 615.731

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Vondel, Joost van den
  Dutch poetry 839.31132
Voodooism psychology 133.4
Voorhees, D W, silver act
  1893 US history 973.87
Vorarlberg history 943.64
Vorm, Jacob Dan. poetry 839.81138
Vortex
  rings molecular theory 539.1
  theory aerodynamics 629.13231
Vorticism painting schools 759.915
Vos, Jan Dutch drama 839.31234
Vosges
  dept, Fr. history 944.39
  Mts Eur. war, 1914 940.4219
    1915 940.4246
Vosmaer, Jacob Dutch fict. 839.31352
Voss, J H German poetry 831.65
Vostani history 962.2
Vote
  alternative suffrage 324.224
  announcements " 324.268
  class " 324.214
  cumulative " 324.223
  contingent " 324.224
  direct legis. election 328.3355
  limited suffrage 324.223
  majority
    legislative election 328.3355
  plural suffrage 324.213
  plurality
    legislative election 328.3355
  preferential suffrage 324.224
  proxy " 324.223
  results " **324.26**
  selling
    electoral frauds 324.271
    suffrage limitations 324.174
  simple suffrage 324.224
  single " 324.223
  substituted " 324.224
  transferable " 324.224
  see also Ballot
Voters, qualifications of
  suffrage 324.1
[4] **Votiak language 494.533**
Voting
  by ticket suffrage 324.222
  compulsory " 324.215
  frauds " 324.272
  illegal " 324.272
  legislative procedure 328.375
  machines suffrage 324.258
  procedure " **324.24**
[1] **suffrage 324**
  systems polit. sci. 324.2
  trust certificates
    financial economics 332.63
Vouchers business meth. 658.7885
Voussoirs arch constr'n 721.428
Vowel
  exercises voice culture 784.94
  expression shorthand syst. 653.77
  scale system
    new shorthand 653.725
    old " 653.722
    shorthand 653.72
Vowels
  detached shorthand 653.12
  disjoined, shorthand syst.
    non-Pitmanic 653.73
  English language 421.2
[3] other " —12
  joined, shorthand syst. 653.74
  physiology of speech 612.7894
Vows relig. asceticism 248
[1] **Voyages aeronautics 629.1309**
  scientific 508.3
  traveling 910.4
Vrede history 968.55
Vryburg " 968.788
Vryheid " 968.41
Vulgarisms English lang. 428.3
[3] other " —83
Vulgate Bible 220.47
Vulpina, vitis agric. 634.8432
Vulturidae ornithology 598.91
Vulva anatomy 611.673
  gynecology 618.16

Topics in black face type are subdivided. Superior figures refer to the tables following this index

W

Wa, Gold Coast history 966.79
Wabash co., Ill history 977.378
Ind " 977.283
Wabasha co., Minn " 977.613
Wabaunsee co., Kan " 978.161
Wace, fl. 1170 Fr. poet. 841.12
Wadai history 967.45
Wadding textile mfg 677.0288
see also special fibers
Wadena co., Minn hist. 977.687
Waders (Grallae) ornithol. 598.3
Wading pools lands. art 714.33
Wadman, J A Swedish wit 839.7761
Wadskiaer, C F Dan. poet 839.81146
Wafer Eucharist 265.3
Wage
fund doctrine econ. 331.214
loans co. fin. econ. 332.314–.315
minimum & maximum
economics 331.2155
payment convict labor 365.65
rates fixing econ. 331.215
scales " 331.22
stoppage & deduction
discipline econ. 331.14
library 023.9
office 651.4483
economics 331.212
tables office fittings 651.4655
Wagenaar, Jan Dutch lit. 839.3184
Wager of battle
legal antiquities 340.3
Wagers ethics 175.9
Wages
and commissions econ. 331.23
cost of living " 331.2154
crime sociology 364.26
middleman econ. 331.23
production " 331.2153
state " **331.26**
attachment of priv. law 347.7
bases of economics 331.23
claims for " 331.213
domestic economy 647.6
economics 331.2
farm economics 631.173
for child labor econ. 331.32
women " 331.42
[1] **in special countries 331.29**
industries 331.28
income taxation 336.246
Wages (cont.)
laws & legislation 331.261
legislative employes 328.3626
of librarians
according to sex 023.56
library admin. 025.115
personnel 023.8
newspaper workmen
journalism 070.344
state labor econ. 331.262
teachers educ. 371.161
office economy 651.38
plurality of economics 331.218
progressive " 331.22
real " 331.2154
reduced " **331.5**
theories of " 331.214
wealth distribution 339.23
zootechnic expenses 636.08173
Wagner, Battery, SC, 1863
US Civil war 973.7351
Wagon
factories architecture 725.451
sheds " 728.958
vaults arched constr'n 721.455
Wagoner co., Okla hist. 976.687
Wagons agriculture 631.3735
manufactures 684
military equip. 355.83
phot. f. arts 771.25
Wagontire Mt, Ore descr. 917.959⅓
Wahhabis history 953.8
Wahkiakum co., Wash " 979.791
Wahoo
(Celastraceae) botany 583.272
(Rhamnaceae) " 583.2791
(Tiliaceae) " 583.19
(Ulmaceae) " 583.9625
Waihu island history 997
Wain, threshing agric. 631.3611
Waitawa history 968.961
Waiting rooms
airport equipment 629.1364
railway architecture 725.311
station bldgs " 725.316
Waitresses dom. econ. 647.25
Wakasa history 952.1576
Wakayama " 952.183
Wake co., NC " **975.655**
funeral customs 393.9

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Wakefulness
  abnormal psychology 135.273
  and sleep " 135.2
  hygiene 613.86
Wake-robin
  (Araceae) botany 584.65
  (Convallariaceae) " 584.322
Wakisinga history 968.961
Wakkerstroom " 968.24
Wakulla co., Fla " 975.989
Walamba " 968.9585
Waldeck " 943.57
Waldens Ridge, Tenn descr. 917.6877
Waldenses
  Provençal poetry 849.132
  religious persecutions 272.3
[1] **sectarian history** 284.4
Waldflute wood instr. 788.5
Waldis, Burkard Ger. poet. 831.42
Waldo co., Me history 974.15
Wales " **942.9**
Walfish Bay " 968.852
Walker, William, filibuster
  exped. Nicaragua hist. 972.8506
Walker co., Ala history 976.176
  Ga " 975.833
  Range, Ore descr. 917.9591
Walking
  animal locomotion 591.47
  dances music form 781.5085
  hygiene 613.72
  in sleep psychology **135.5**
  insects (Gressoria)
    entomology **595.723**
  leaf (Phasmidae)
    entomology 595.724
  psychology 158.82
  school hygiene 371.737
  sports 796.51
  stick (Phasmidae)
    entomology 595.724
Walks lands. constr'n 713.73
Wall
  arches archi. constr'n 721.425
  brackets architecture 729.98
  carvings archi. dec. 729.592
  cornices " constr'n 721.274
  covering vines floric. 635.9748
  coverings dom. econ. 645.2
    interior dec. 747.35
    office econ. 651.242
  fountains lands. art 714.32
  gables archi. design 729.37
Wall (cont.)
  gardens landscape art 712.626
  plants " " 715.17367
  towers architecture 725.975
Walla Walla co., Wash hist. **979.748**
Wallace co., Kan " 978.112
Wallachia history 949.8
Wallachian
  language 459.7
  literature 859
  sheep (Bovidae)
    dom. animals 636.373
Waller, Edmund Eng. poet. 821.44
Wall-eye, *see* Strabismus
Wallikiki fowls (Gallinae)
  agriculture 636.5882
Wallin, J O Swed. poet. 839.7162
Wallowa co., Ore history 979.573
Wallpaper
  arts & crafts 745.54
  building industry 698.6
  hygiene of dwellings 613.594
  interior decoration 747.35
  manufactures 676
  printing presses mfg 681.6255
  state inspection 614.37
Walls
  architectural constr'n **721.2**
    design **729.31**
  boundary city planning 711.67
  farm economics 631.27
  fruit- agriculture 631.3454
  incrusted archi. dec. **729.6**
  interior decoration **747.3**
  landscape art 717.84
  painted archi. dec. 729.492
  plant training 631.5464
  retaining
    archi. foundations 721.12
  bridge engineering 624.152
  school buildings 371.634
Walnut (Juglandaceae)
  nuciculture 634.51
Walo history 966.31
Walpole, Horace
  English letters 826.61
Walrus (Odobenidae)
  mammalogy 599.747
Walter grape viticulture 634.84909
Walthall co., Miss. hist. 976.222
Walther von der Vogelweide
  German poetry 831.27
Walton co., Fla history 975.997
  Ga " 975.821

Waltz dances 793.33
music form 781.508521
piano music 786.46
Walundi history 968.961
Walvis Bay " 968.852
Walworth co., Wis " 977.589
Wampum money 332.56
Wanchuan, China history 951.77
Wandering
Jew folklore 398.22
soul theory of dreams
psychology 135.30168
Wands athletics 796.41
magicians' sorcery 133.43
Wandsworth, London hist. 942.16
Wanhsien, China history 951.38
Wankie " 968.928
Want
ads business 659.1326
lists book selection 025.215
Wants polit. economy 339.42
Wapello co., Ia history 977.793
War
and crime sociology 364.257
migration
polit. science 325.13
between the States, *see* Civil war, US
camp plats city plan. 711.414
causes int'l law 341.3
censorship journalism 070.14
cross military sci. 355.134
customs sociology 399
damage
gov't remuneration 351.8
military science 355.23
military tactics 355.422
dances customs 399
music form 781.50857
debts public finance 336.343
[1] **department foreign gov't 354**
US " 353.6
emergency powers
military science 355.28
ethics 172.4
games mil. maneuvers 355.52
theoretic 355.55
implements of ordnance 623.4
injured, labor of econ. 331.59
law of int'l jurispr. 341.3
library dangers 022.29
memorials architecture 725.94
landscape art 717.9
morale military sci. 355.23
naval " " 359.42
War (cont.)
of 1812 Can. history 971.034
soc. of, Amer. 369.14
US history 973.52
for uniform subdivisions see subheads under Civil War, US
prisoners int'l law 341.3
military life 355.12
prisons 365.45
propaganda mil. sci. 355.23
radio service eng. 621.384195
reparations pub. fin. 336.18
see also War damage
with Gt. Brit., Soc. of the 2d. in the state of NY 369.144
women in sociology 396.9
zones int'l law 341.3
see also distinguishing names of individual wars
Warblers (Acromyodi)
ornithology 598.81
Warbling voice culture 784.94
Ward
Artemus, *pseud.*
American wit 817.37
Edward English wit 827.51
Nathaniel Amer. " 817.11
Wardens prison admin. 365.63
Wards school government 379.1534
Ware, William Amer. fict. 813.25
Ware co., Ga history 975.8794
Warehouse dist. city plan. 711.553
Warehouses
architecture 725.35
bonded free ports 337.87
city planning 711.663
customs architecture 725.145
Warfare, chem. ordn. 623.45
mil. science 355
tactics 355.4
Warm Springs Indian reservation, Ore history 979.562
Warmbad history 968.825
Warming pans dom. econ. 644.19
sanitary eng. 628.8
thermology 536.83
Warner, C D American wit 817.41
valley, Ore hist. 979.593
Warner-Powrie process
photography 778.66
Warnings
divination 133.3
work ending labor econ. 331.13
Warp yarns textile mfg 677.02861
see also special fibers
Warped surfaces aircraft 629.13433

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Warpers textile equip. 677.02854
Warping " process 677.02824
see also special fibers
Warrants, corp. fin. econ. 332.63
criminal law 343
Warren, Mrs Mercy (Otis)
American drama 812.11
Warren co., Ga history 975.8625
Ill " 977.3415
Ind " 977.296
Ia " 977.782
Ky " 976.974
Mo " 977.8386
NJ " 974.978
NY " 974.751
NC " 975.652
O " 977.176
Pa " 974.867
Tenn " 976.865
Va " 975.597
grape vitic. 634.8452
Warri history 966.93
Warrick co., Ind history 977.232
Wars
imaginary mil. tactics 355.48
military science 355.48
religious comp. theol. 291.7
tariff polit. economy 337.38
welfare work 361.53
Warsaw Eur. war, 1914 940.4223
1915 940.4252
history 943.8
Russian 947.5
Warship libraries 027.653
Warships shipbuilding 623.825
Warts pathology 616.54
veget. morphology 581.4782
Warwick co., Eng. hist. 942.48
Va " 975.5415
Wasco co., Ore " 979.562
Waseca co., Minn " 977.6195
Wasenga history 968.965
Wash
painting fine arts 751.42
sales stock & commodity trading 332.64
Washburn co., Wis hist. 977.515
Washers
butter industry 637.2323
for roots & tubers agriculture 631.3626
Washhouses architecture 728.93
Washing
butter industry 637.2333
crops agriculture 631.5626
Washing (cont.)
dishes, windows, etc.
domestic economy 648.54
laundry business 648.2
machines laundry bus. 648.23
mot. veh., care of 629.2882
phot. devel. 770.2838
apparatus 771.43
practical chemistry 542.69
textile process 677.02821
see also specific fibers
Washington, George
birthday
school holiday 371.365
social customs 394.268
headquarters
Amer. revolution 973.367
presidency US history 973.41
Washington
and Hamilton dist., Tenn history 976.88
city, DC
burning 1814 hist. 973.5238
capital estab. " 973.44
history 975.3
see note under **Virginia**
county, Ala history 976.124
Ark " 976.714
Colo " 978.879
Fla " 975.996
Ga " 975.867
Ida " 979.625
Ill " 977.388
Ind " 977.222
Ia " 977.792
Kan " 978.127
Ky " 976.949
Me " 974.14
Md " 975.291
Minn " 977.659
Miss. " 976.242
Mo " 977.864
Neb " 978.2245
NY " 974.749
NC " 975.6155
O " 977.198
Okla " 976.696
Ore " 979.543
Pa " 974.882
RI " 974.59
Tenn " 976.897
Vt " 974.34
Va " 975.5725
Wis " 977.591
disarmament conference
1921–22 US history 973.914

Washington (cont.)
Fort Amer. revolution 973.3324
Lake, Wash history 979.777
nat'l forest descr. 917.9773
parish, La. history 976.311
Sound, Wash " 979.774
state, admission US hist. 973.86
history 979.7
see note under Virginia
Washingtonian homes
architecture 725.65
Washita
county, Okla history 976.642
River " 976.37
Okla " 976.651
upper, Ark " 976.76
see also Ouachita
Washtenaw co., Mich hist. 977.435
Washu history 952.186
Wasp, ship
1812 War of 1812 973.5251
1814 " " " 973.5255
Wasps (Aculeata)
agricultural pests 632.794
Waste
and repair
biology 574.136
physiology 612.395
botanic 581.136
zoologic 591.136
properties of
living matter 577.2
baskets office econ. 651.4656
cans city planning 711.68
disposal plants
architecture 725.194
city planning 711.661
products, cellular
vegetable cytology 581.8748
wealth consumption 339.44
Wastes
and pollution
public health 614.7
sanitary engineering 628.5
as fuel steam boilers 621.18225
care of shop manage. 658.567
discharge into nat. waters
indus. sanitation 628.541
disposal of dom. econ. 648.5
san. eng. 628.3–.4
industrial " " 628.54
recovery of phot. 770.287
textile mfg 677.0288
see also special fibers
Watarishima history 952.4
Watauga co., NC " 975.684
Watch
dogs (Canidae) dom. anim. 636.74
zootechny 636.0835
factories architecture 725.43811
towers " 725.976
fire " 725.191
Watchcases fine arts 739.3
Watches aircraft equip. 629.1358
horology 681.114
astronomic 529.78
Watchmakers 681.11069
implements mech. trades 681.1129
Watchman lib. bldg admin. 025.9
employes 023.792
mus. bldg admin. 069 66
Watchrepairing
mechanic trades 681.1128
Water
absorption in intestines
physiology 612.33275
action of mesology 612.014461
analysis chemistry 543.3
hygiene 613.33–.34
and nutrition physiol. 612.3923
pebble plants, house
floriculture 635.965224
plant dissemination
botany 581.52263
veget. fertiliza. bot. 581.1662563
apicultural food 638.12153
as beverage hygiene 613.31
food dom. economy 641.16
assimilation botany 581.133542
boiling of hygiene 613.35
carnivals sports 797.14
channels aeronautics 629.130724
chemistry 546.11
cohesion
plant movements 581.18262
cooling mot. veh. 629.2563
cost irrigation 631.75
distrib. " 631.74
diuretics 615.761
effect on plants bot. 581.522273
features
and plantations
landscape art 715.144
landscape art 714
filtration of hygiene 613.35
san. eng. 628.16
force of river eng. 627.1
gardens floriculture 635.9674
landscape art 712.626

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Water (cont.)
geologic agents 551.92
holy ecclesiology 246.6
hot, cookers
kitchen equip. 643.338
cooking by
dom. economy 641.587
hydraulics **532**
impurities in hygiene 613.32
san. eng. 628.16
in muscle physiology 612.74416
organisms " 612.0144613
soil agriculture 631.432
infiltration mining 622.51
meteorology 551.57
of crystallization chem. 541.7
ornamental lands. art **714.3**
painting solvent, art 751.247
parks landscape art 712.53
physiography **551.4**
pipes for high pressure
hydraulic eng. 621.253
hydraulics 532.54
sanitary engineering 628.15
plants veget. ecology **581.52632**
pollution
industrial sanitation 628.541
polo sport 797.25
potable
economics 338.374
prot'n of forestry 634.998
power
agriculture 631.3713
economics 338.377
forest engineering 634.9365
hydraulic " **627**
mech. " **621.2**
plants electric eng. 621.312134
protection of
forest policy 634.925143
rights land econ. 333.91
pressure engines
mech. engineering **621.25**
products economics **338.3**
purification of
hygiene 613.35
sanitary engineering 628.16
steam power plant 621.1943
ramps landscape art 714.34
relations forest ecol. 634.94728
reserves physiol. bot. 581.13385
resources and forests 634.9224
rights admin. regula. 351.823
land economics 333.91

Water (cont.)
softening
steam power plant 621.1943
sources, haunted folklore 398.32
sports **797**
storage tissues
veget. histology 581.825
subterranean
physiography 551.49
supply
agriculture **631.7**
bldgs architecture 728.995
canal engineering 626.2
city planning 711.82
domestic economy 644.6
indus. architecture 658.238
plumbing 696.1
reserves nat. lands. **719.333**
rural san. eng. 628.7
sanitary eng. **628.1**
taking locomotive eng. 621.1363
transport logging **634.98254**
use & waste of san. eng. 628.17
worship comp. relig. 291.2122
zootechnic feeding 636.0843
see also Aquatic
Water-
bear (Tardigrada) zool. 595.412
beetle (Adephaga)
entomology 595.762
blast mechanical eng. 621.269
hydraulics 532.85
buffalo (Bovidae)
dom. animals 636.2932
chestnut (Trapaceae) bot. 583.413
clocks horology 681.1111
astronomic 529.78
closets
and pollution 614.764
domestic san. eng. 628.6
color drawing f. arts 741.27
mediums painting 751.242
painting f. arts 751.42
colors drawing equip. 741.3
painting 751.232
courses public health 614.772
cress (Brassicaceae)
garden crops 635.561–.562
culture mediums
physiologic botany 581.138
cure hydrotherapy 615.853
sanitariums sociol. 362.13
engines mech. eng. **621.2**
fall reserves nat. lands. 719.348

Water- (cont.)
falls, artificial
lands. art 714.35
landscape art 714.24
physiog. 551.48
flea (Cladocera) zool. 595.324
fowl and lands. design 713.6
(Grallae) ornithol. 598.3
hunting sport 799.244
fronts
city planning 711.76
commer. city plan. 711.764
landscape art 714.2
recrea. lands. art 712.53
gages steam boilers 621.18472
glass bldg industry 691.1
chemic tech. 666.1
painting f. arts 751.47
medium 751.243
public health 614.841
hemp
(Amaranthaceae) botany 583.9131
(Eupatoriaceae) " 583.5544
jets landscape art 714.32
leaf (Hydrophyllaceae)
botany 583.764
lilies (Nymphaeaceae)
botany 583.118
line armoring belt
shipbuilding 623.9
marks arts & crafts 745.54
paper mfg 676
melon (Cucurbitaceae)
garden crops 635.615
meters manufactures 681.121
sanitary eng. 628.17
milfoil (Haloragaceae)
botany 583.417
mills architecture 725.34
molds (Saprolegniineae)
botany 589.26
plantains (Alismaceae)
botany 584.721
poppy (Butomineae) bot. 584.73
proof
fabrics textile mfg 677.68
propellers aircraft 629.13436
proofing
aircraft constr'n 629.1344
building industry 691
tests textile mfg 677.02874
see also special fibers
ram hydraulics 532.83
mechanical eng. 621.27

Water- (cont.)
shed
protection
forest planting 634.956585
policy 634.925142
reserves nat. lands. 719.334
side gardens lands. art 712.6245
tables wall constr'n 721.25
tanks architecture 728.995
rys " 725.33
tight compartments
shipbuilding 623.84
towers
architecture 725.193
for fire extinction
public health 614.846
landscape art 717.66
sanitary engineering 628.13
tube steam boilers
mechanical eng. 621.18426
ways
administrative control 351.813
city planning 711.76
ownership & control of
commerce 386.16
sociology 386.016
sociology 386
vs other means of
transport sociology 386.12
weed (Hydrales) botany 584.11
wheels hydraulics 532.84
mech. eng. 621.21
works architecture 725.193
city planning 711.661
local gov't 352.6
sanitary eng. 628.1
Waterberg history 968.27
Waterers, locomotive
steam engineering 621.1363
Waterford history 941.91
Watering
apiculture 638.1445
places
bldgs for archi. 725.75
city planning 711.455
hygiene 613.12
troughs city planning 711.68
landscape art 714.32
Waterless
cookers kitchen equip. 643.33
cooking dom. economy 641.58
Waterloo
battle of Fr. history 944.05
city, Ia " 977.7371
county, Ont " 971.344

Waters, carbonated, etc.
see distinguishing names
Waterwort
(Elatinaceae) botany 583.161
(Philydraceae) " 584.35
Watonwan co., Minn hist. 977.629
Watson, William Eng. poet. 821.88
Watt meters elec. eng. 621.3746
ship Amer. revol. 973.356
Watt-hour meters
electric engineering 621.3745
Watwa history 968.965
Wau " 966.65
Waukesha co., Wis hist. 977.593
Waupaca " " " 977.538
Wausau, Wis history 977.529
Waushara co., Wis hist. 977.557
Wausi history 968.961
Wave
antennas radio 621.38413554
front angle
radio transmission 621.3841158
length
optics 535.6
regulations radio 621.3841100037
sensitivity phot. 771.5342
systems radio 621.384151
measurement radio 621.3841715
meters " 621.38413341
standards radio service 621.3841931
trains, damped
radio circuits 621.384123
traps radio interference 621.3841546
Waves
conducted wired radio 621.3841574
continuous, syst. " 621.384153
directional properties
radio engineering 621.384116
hydraulic engineering 627.5
on wires radio " 621.384117
radio 621.38411
spacing systems radio 621.3841533
subdued, " " 621.384152
theory of acoustics 534.1
hydraulics 532.59
optics 535.1
Wavy line process phot. 777.3
Wax
animal chemic tech. 665.2
apicultural nat. hist. 638.1216
products 638.17
color mediums painting 751.245
colors painting 751.236
fancywork 746.8
Wax (cont.)
grafting agriculture 631.341
painting fine arts 751.46
plants econ. botany 581.646
sculpture fine arts 731.253
Wax-
gourd (Cucurbitaceae)
garden crops 635.618
myrtle (Myricaceae)
fruitculture 634.663
wing (Acromyodi) ornithol. 598.81
works recreation 791.5
sculpture 731.253
Waxed fabrics mfg 677.68
Waxhaw, NC, battle
Amer. revolution 973.3361
Waxing textile process 677.02822
see also special fibers
Way railroad engineering 625.1
Waycross, Ga history 975.8795
Wayne, Anthony
at Stony Point
Amer. revolution 973.3354
exped., 1794 US hist. 973.43
Wayne co., Ga hist. 975.8756
Ill " 977.3792
Ind " 977.263
Ia " 977.788
Ky " 976.964
Mich " 977.433
Miss. " 976.257
Mo " 977.892
Neb " 978.257
NY " 974.787
NC " 975.6395
O " 977.161
Pa " 974.823
Tenn " 976.839
WVa " 975.447
Weak current engineering 621.38
Weakley co., Tenn hist. 976.824
Wealth
and crime sociology 364.26
income appraisal
polit. economy 339.3
rank ethics 177.5
conscription of
military science 355.21
consumption polit. econ. 339.4
distribution and
div. of polit. econ. 339.2
taxation pub. fin. 336.295
political economy 330
theories of polit. econ. 330.161

Wealthy class
education of 371.963
social groups 323.31
Weapons
bronze archeology 571.35
capture by zootechny 636.081112
neolithic archeology 571.25
ordnance 623.4
public safety 351.753
war customs 399
see also Arms
Weasel
(Mustelinae) agric. pests 632.69744472
spider (Solifugae) zool. 595.48
Weather
doors archi. constr'n 721.835
meteorology 551.5
radio transmission 621.3841155
resistant grapes vitic. 634.83676
strips archi. constr'n 721.895
dom. economy 645.3
warnings agric. prot'n 632.112
Weathering and plants ecol. 581.52232
eng. materials 620.1122
Weathervanes
roof construction 721.562
Weaverbirds (Acromyodi)
ornithology 598.81
Weaving
elementary education 372.55
fibers field crops 633.5
mach. textile equip. 677.02854
specimens mus. econ. 069.477
textile process 677.02824
see also special fibers
tubular, seamless, etc.
textile industry **677.67**
Webb City, Mo history 977.8722
Weberaceae botany 588.2121
Weber's
law psychophysics 152.8213
space perception theory
psychology 152.752016323
Webfoot state (Ore) hist. 979.5
Webs aircraft supports 629.134328
Webster
Daniel Amer. oratory 815.27
and Hayne debate
1830 US hist. 973.561
John English drama 822.36
Noah Amer. essays 814.22
Webster-Ashburton treaty
1842 int'l law 341.273
US history 973.58
Webster co., Ga history 975.8916
Ia " **977.751**
Ky " 976.988
Miss. " 976.2697
Mo " 977.882
Neb " 978.2374
WVa " 975.465
parish, La. " 976.396
Wedding customs 392.5
see also Marriage
Wedge
bones, carpal anatomy 611.71773
tarsal " 611.71878
mechanics 531.86
Wedge-leaved calamites
(Sphenophyllales) bot. 587.24
Wedgwood ware pottery 738.37
Weed-cutters farming 631.3155
Weeder & weed-hoe " 631.3154
Weeding forest nursery 634.95645
tillage 631.516
Weeds agric. pests 632.58
art anatomy 743.77
econ. botany 581.65
Week-end passenger rates
railways 385.132244
Weekly rest workmen 331.817
Weeks chronology 529.2
Weems archeology 571.82
Weenen div., Natal hist. 968.43
Weevils (Tetramera)
agricultural pests 632.768
Weft yarns textile mfg 677.02861
see also special fibers
Wei dynasty, 386–557
Chinese history 951.0132
kingdom, 220–265
Chinese history 931.072
Weighing
devices office econ. 651.4654
prac. chemistry 542.32
quantitative analysis 545.1
Weight
lifting athletics 796.41
molecular theor. chem. 541.2
movements clockwork 681.1121
sensations physiology 612.885
psychology 152.673521
specific, *see*
Gravity, specific
tables zootechny 636.08181
throwing sports 796.38
Weights & measures
admin. regulations 351.821
commerce 389

Weihaiwei, China hist. 951.14
Weirs architecture 725.34
hydraulic eng. 627.8
hydraulics 532.53
mechanical eng. 621.269
Weise, Christian
German drama 832 53
Weiser nat'l forest, Ida
description 917.9626
Weismannism biology 575.0164
Weld co., Colo history 978 872
Welding metal mfg 671
Welfare
administrative control 351.8
institutions libraries 027.66
physical school hyg. 371.7
work crime prevention 364.43
family 362.8
official 361.6
parochial relig. 258
prisoners 365.66
private 361.7
sociology 360
Welhaven, J S C
Norwegian essays 839.8246
Well water hygiene 613.32
Welland canal commerce 386.460971338
co., Ont hist. 971.338
Wellheads landscape art 714.37
Wellington co., Ont hist. 971.342
Wells
absorbing
industrial sanitation 628.542
architecture 728.995
county, Ind history 977.272
irrigation 631.71
physiography 551.49
sunken foundations
architecture 721.176
water supply 628.11
Wellsburg, WVa history 975.413
Wellstedioideae (Boraginaceae) botany 583.77
Welsbach jets
photographic lighting 771 444
Welsh
Calvinistic Methodists
[1] **sectarian history 287 3**
dialect English lang. 427.9
discoverers Amer. hist. 973.14
[4] **language 491 66**
onion (Liliaceae)
garden crops 635.264
philosophers 192
Welsh (cont.)
sheep (Bovidae)
dom. animals 636.3267
vaults arched constr'n 721.44
Welwitschiaceae botany 585.12
Wenaha nat'l forest, Wash
description 917.9746
Wenatchee
city, Wash history 979.7591
Mts, " " 979.757
nat'l forest, Wash
description 917.9759
valley, Wash history 979.75
Wenceslaus Ger. " 943.027
[4] **Wendish language 491.88**
Wennerberg, Gunnar
Swedish wit 839.7765
Wens pathology 616.993
Wensleydale sheep (Bovidae)
domestic animals 636.3216
Wentworth co., Ont. hist. 971.352
Wenzel German history 943.027
Wepener history 968.58
Werewolvs folklore 398.4
occultism 133.14
Wergeland, H A Norw. poet. 839.8216
Wermcke, Christian Ger. wit 837.53
Werner, F L Z Ger. drama 832.67
Wesleyan Methodists
[1] **sectarian history 287.1**
Wesselstroon history 968.24
West
Baton Rouge parish, La.
history 976.345
country down sheep (Bovidae) dom. animals 636.3233
county, Neb history 978.2745
Florida
Baton Rouge dist.
history 976.31
Miss. sect. hist. 976.21–.22
Goths hist., ancient 936.362
highland cattle (Bovidae)
dom. animals 636.2233
Indian gooseberry
(Euphorbiaceae)
fruitculture 634.666
Indies
Danish, purchase
US history 973.913
history 972.9
[4] **Iranic language 491.51**
Jersey, NJ history 974.95
Lake, China " 951.2425
Lothian " 941.44

Topics in black face type are subdivided. Superior figures refer to the tables following this index

West (cont.)
Meath history 941.815
Orange, NJ " 974.933
Point, NY " 974.731
Prussia " 943.12
River valley, China " 951.28
Tennessee plain " 876.82
The, US history 978
Virginia
admission US hist. 973.71
history 975.4
see note under **Virginia**
Westchester co., NY hist. 974.727
Western
and Eastern ch. separation
relig. history 270.3
Australia history 994.1
church, *see* Catholic ch.
Germanic language 439 1
Islands, Azores hist. 946.99
Scot. " 941.17
Westinghouse engines
steam engineering 621.1645
Westminster
Assembly
Presbyterian ch. hist. 285.242
catechism & confession
doctrinal theology 238.5
London history 942.13
Westmoreland county
Eng. history 942.88
NB " 971.523
Pa " 974.881
Va " 975.524
Westphalia
history 943.56
peace of, 1648
church history 270.7
European " 940.24
Westphalian
fowls (Gallinae) agric. 636.538
goat (Bovidae) dom. anim. 636.393
swine (Suidae) " " 636.434
Westwall, *see* Siegfried line
Wet
climate birth rate demog. 312.1
meth. qualitative anal. 544.1
quantitative " 545.2
Mts, Colo description 917.8852
plate processes, silver
photography 772.14
Prairie, Okla history 976.691
Wetness sensation physiol. 612.88
psychol. 152.574
Wetterbergh, K A
Swedish fiction 839.7364
Wetzel co., WVa history 975.418
Wexford co., Ire. " 941.885
Mich " 977.467
Whale
(Denticete) mammalogy 599.53
(Mysticete) " 599.51
Whaleback syst. shipbldg 623.84
Whalebone
in clothing dom. econ. 646.17
textile industry 677.56
Whaling, aircraft service in 629.138639
fishery 639.2
Wharf houses archi. 725.34
Wharfs city planning 711.764
harbor eng. 627.3
Whatcom co., Wash hist. 979.773
Whatnots dom. economy 645.5
Wheat
(Hordeae) field crops 633.11
state inspection 614.312
trade economics 338.17311
Wheatstone
bridges electric eng. 621.3742
system telegraphy 621.38245
Wheel
animalcules zoology 595.18
games recreation 795.2
hoe farming 631.3161
mechanics 531.82
mechanisms, fine mfg 681 1
of life photography 778.52
windows archi. constr'n 721.843
Wheelbarrows agriculture 631.3734
Wheeler
county, Ga history 975.8835
Neb " 978.276
Ore " 979.581
nat'l monument, Colo
description 917.8838
Wheeling, WVa history 975.415
Wheeling logging 634.982523
Wheels
aircraft constr'n 629.1343844
breast- hydraulics 532.84
clockwork 681.1122
door & window constr'n 721.891
electric cars 621.3347
fly mot. veh. engine 629.2526
gun mounts 623.4353
locomotive engineering 621.135
motor vehicles 629.248
railroad engineering 625.21

Wheels (cont.)
steering motor vehicles 629 24782
water hydraulics 532.84
mechanical eng. 621.21
wooden manufactures 674
Whelk, rock- (Prosobranchia)
agriculture 638 38
Whey butter industry 637.24
cheese " 637.347
process phot. 772.15
Whidbey Island, Wash hist. 979.775
Whig party Eng. politics 329.942
US " 329.4
Whims, hoisting mining 622.67
Whip
grafting agriculture 631.54132
scorpion (Pedipalpi)
zoology 595.45
Whipcord braid mfg 677.75
catgut " 677.74
wool " 677.3164
Whippet racing sports 798.8
Whipping
post criminal law 343.2
prison punishments 365.644
Whipple, E P Amer. essays 814.35
Whirligig (Adephaga)
entomology 595.762
Whirlpools oceanography **551.47**
Whirlwinds meteorology 551.51
Whiskers toilet 391.5
Whisky
chemic technology 663.5
insurrection, 1794
US history 973.43
ring, 1872–75 US hist. 973.82
tax public finance 336.2786635
temperance **178**
Whist card games 795.41
Whistles
locomotive boilers 621.1339
steam " 621.18472
Whistling psychology 158.83
voice culture 784.94
White, H K Eng. poetry 821.68
White
alder (Clethraceae) bot. 583.622
corpuscles physiology **612.112**
county, Ark history 976.776
Ga " 975.8277
Ill " 977.396
Ind " 977.293
Tenn " 976.866
friars Carmelites 271.73
White (cont.)
Frontignan grape vitic. 634.849
hair pathology 616.54
Horse Mt, Ore descr. 917.9597
Lake, La. " 917.6351
lead chemic technology 667.6
list capital & labor 331.8943
Mts, NH history 974.22
Nile " 962.6
Plains, NY, battle
Amer. revolution 973.3324
race mortality
public health 614.144
River
Ark history **976.72**
nat'l forest, Colo
description 917.8815
Plains, Neb history 978.299
slave trade, *see*
Prostitution
substance
cerebellar anatomy 611.81715
spinal " **611.824**
Sulphur Springs, WVa
history 975.489
swelling pathology 616.72
turkey (Gallinae) agric. 636.5925–6
walnut (Juglandaceae)
nuciculture 634.518
wood (Canellaceae) bot. 583.137
(Magnoliaceae) " 583.114
(Tiliaceae) " 583.19
(Tricoccae) " 583.951
Whitefaced cattle (Bovidae)
domestic animals **636.2226**
Whitefeather, Capt. Barabbas, *pseud.* Eng. wit 827.81
Whitehead, Paul Eng. wit 827.63
Whiteside co., Ill hist. 977.335
Whitfield co., Ga " 975.832
Whitley co., Ind " 977.275
Ky " 976.913
Whitlow-worts (Paronychieae) botany 583.1544
Whitman, Walt Amer. poet. 811.38
Whitman
county, Wash history 979.739
nat'l forest, Ore
description 917.9578
Whittier, J G Amer. poet. 811.36
Whole-part tests psychol. 151.23
Wholesale
dist. city planning 711.552
markets architecture 725.26

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Wholesale (cont.)
societies, cooperative
polit. economy 334.52
Wholesaling bus. meth. 658.86
Whooping-cough
pathology 616.204
public health 614.543
Whortleberry (Vacciniaceae)
botany 583.611
Whyte, F M, classification
locomotive engineering 621.1323
Wich-hazel
(Hamamelidaceae) pharm. 615.323394
Wichita
city, Kan history 978.1861
county, Kan " 978.142
national forest, Okla
description 917.6648
Wicker work fibers
field crops 633.58
Wickets door constr'n 721.835
Wicklow
Ire. history 941.84
sheep (Bovidae)
domestic animals 636.3243
Wicomico co., Md hist. 975.225
Wide angle phot. f. arts 778.36
Widows
aid for public relief 362.67
pensions for " " 362.625
Wieland, C M Ger. fict. 833.61
Wiesbaden history 943.58
Wiesental goat (Bovidae)
domestic animals 636.393
Wife & husband family law 347.6
Wife's duties ethics 173.3
Wigglesworth, Michael
American poetry 811.13
Wight, Isle of history 942.28
Wigs toilet 391.5
Wigtown history 941.495
[1] **Wilburite Friends Quakers 289.6**
Wilcox co., Ala history 976.138
Ga " 975.8845
Wild
animals hunting sport 799.2
cherry (Rosaceae) fruitc. 634.24
flower gardens floric. 635.9676
fowl hunting sport 799.24
gardens landscape art 712.626
goose (Anseres) agric. 636.59881
life preserves
natural landscape 719.36
Wild (cont.)
silk textile mfg 677.42
sweet-william (Silenoideae)
botany 583.153
white cattle (Bovidae)
domestic animals 636.221
Wildbacher grape vitic. 634.85436
Wildcat
Range, Neb history 978.2975
securities fin. econ. 332.63
Wilder grape viticulture 634.84709
Wilderness, Va, battle of
the, 1864 US Civ. war 973.7366
Wildernesses lands. art 712.626
Wildhorse Mt, Okla descr. 917.6681
Wildings childstudy 136.764
Wilhelm 1 German hist. 943.083
2 " " 943.084
von Holland
German hist. 943.025
Wilhelmshaven, Germany
Eur. war naval base 940.453
history 943.53
Wilhelmstal history 967.82
Wilkes co., Ga history 975.817
NC " 975.682
Wilkes-Barre, Pa " 974.833
Wilkin co., Minn " 977.691
Wilkinson co., Ga " 975.854
Miss. " 976.225
Will
county, Ill history 977.325
doctrinal theology 233.7
effect on respiration
physiology 612.281
free, and
alternatives psychol. 159.122
deliberation " 159.123
determination " 159.14
freedom of criminology 364.34
metaphysics 123
of God ethics 171.1
pathol. of psychology 159.7
physiology of brain 612.82134
psychology 159
soteriology 234.9
tests
psychol. measurements 151.2235
psychology 159.8
training of psychology 159.24
Willamette River valley
Oregon history 979.53
Willans engines steam eng. 621.1645

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Willapa Bay, Wash hist. 979 792
William
1, Conqueror Eng. hist. 942 021
2, Rufus " " 942.022
3 and Mary " " 942.068
US " 973.25
4 English " 942 075
and Mary furn. f. arts 749.222
of Holland Ger. hist. 943.025
see also Guillaume, Wilhelm
Williams co., O history 977.111
Williamsburg co., SC " 975.783
Williamson co., Ill " 977.3993
Tenn " 976.856
Willis
circle of anatomy 611.1349
process, anilin phot. 773.52
platinum " 772.312
Willow (Salicaceae)
fiber crops 633.588
textile industry 677.543
Willow-herb (Onagraceae)
botany 583.445
Willowing textile process 677.02821
see also specific fibers
Willowmore history 968.752
Willows textile equip. 677.02851
Willowvale history 968.672
Wills genealogy 929.3
private law 347.6
Valley, Ala hist. 976.166
Wilmington
Del history 975.12
NC " 975.6271
red grape viticulture 634.847
Wilmot proviso, 1846
US Civil war causes 973.7113
history 973.61
slavery 326.97361
Wilno Eur. war, 1914 940.4226
1915 940.4254
history 947.5
Wilson
J G, raid, 1865 US Civ. war 973.7387
Woodrow, pres. US hist. 973.913
Wilson co., Kan history 978.1925
NC " **975.643**
Tenn " 976.854
Wilts history 942.31
Wiltshire sheep (Bovidae)
domestic animals 636.3232
Winburg history 968.56
Winchell grape vitic. 634.84709
Winches mechanical eng. 621.864
Winchester, Va,
battle, 1864 US Civ. war 973.7377
history 975.5991
Wind
agricultural hindrances 632.16
and current charts
physiography **551.46**
plant
dissemination bot. 581.52262
fertilization " 581.1662564
succession " **581.5243237**
currents aeronautics 629.13241
forest ecology 634.94726
instr. ensemble music 785.121
instruments
music **788**
semi-automatic mfg 681.833
meteorology 551.51
photography aeronautics 629.1307253
pressure bridge eng. 624.175
prot'n from zootechny 636.08366
radio transmission 621.38411551
storms meteorology 551.55
tunnels
aeronautics 629.130723
equip. of aeronautics 629.130783
technic " 629.1307253
vegetable ecology 581.5421
worship comp. relig. 291.2125
Windage
steam turbines theory 621.16515
Windbreak planting
forestation 634.956584
Windbreaks
apiculture 638.1112
landscape planting 715.165
Winders
textile twisting equip. 677.02852
weaving " 677.02854
Windham co., Conn hist. 974.645
Vt " 974.39
Windhoek European war 940.4268
history 968.854
Windic languages **491.8**
Winding
Stair Mt, Okla descr. 917.6679
textile twisting process 677.02822
weaving " 677.02824
see also special fibers
Windlasses mech. eng. 621.864
Windmill towers archi. 728.995
Windmills
agric. reclamation 631.65
aircraft equipment 629.13513

Windmills (cont.)
as power agriculture 631.3714
landscape art 717.66
mechanical engineering 621 45
Window
cleaning dom. economy 648.54
dec., carved archi. 729.594
painted " 729.494
dressing adver. display 659.157
fastenings archi. 721.88
furnishings dom. econ. 645.3
office " 651.243
gardens lands. art 716.4
guards archi. constr'n 721.876
inclosures " " 721.86
screens " " 721.875
tax public finance 336.27872184
tracery archi. dec. 729.88
Windows
architectural constr'n 721.84–.85
design 729.384
glass art 748.8
glazed photography 771.24
grisaille archi. dec. 729.87
internal " constr'n 721.85
library lighting 022.71
motor vehicles 629.264
photographic lighting 771.22
roof archi. constr'n 721.55
design 729 355
stained glass
archi. decoration 729.8
library buildings 022.348
Windrowers agriculture 631.3532
Windshield
motor vehicles 629.264
wipers mot. veh. equip. 629.2782
Windsor
city, Ont history 971.332
county, Vt " 974.365
house of Eng. " 942.08
Scot. " 941.08
swine (Suidae) dom. anim. 636.4221
Windward islands hist. 972.98
Wine
as food dom. economy 641.13
chemic technology 663.2
Eucharist 265.3
grapes, *see* Vinifera, vitis
state inspection 614.342
temperance 178
Wineberry (Rosaceae)
fruitculture 634.712
Wing
flaps aircraft 629.13433
resistance acrodynamics 629.13234
ribs, springy aircraft 629.13516
Winged
fruit tree (Dipterocarpaceae) botany 583.167
pigweed (Chenopodiaceae) botany 583.914
Wingless insects (Aptera)
entomology 595.751
Wings aircraft constr'n 629.134323
Winkle (Gastropoda)
fishery 639.4
Winn parish, La. hist. 976.366
Winnebago
county, Ill history 977.331
Ia " 977.722
Wis " 977.564
fowls (Gallinae) agric. 636.5816
Indian reservation, Neb
history 978.2227
Winneshiek co., Ia hist. 977.732
Winnetka plan educ. meth. 371.394
Winnowers agric. tools 631.3622
Winnowing crops agric. 631.5622
Winona co., Minn hist. 977.612
Winston co., Ala " 976.174
Miss. " 976.269
Winston-Salem, NC " 975.6671
Winter, William Amer poet. 811.44
Winter
birthrate demog. 312.1
courses agriculture 630.7135
in other fields
[2] see subj. —07165
folklore 398.3324
gardens architecture 728.98
grape agriculture
vitis berlandieri 634.8441
cinerea 634.8443
cordifolia 634.8445
riparia 634.8432
pruning agriculture 631.5421
resorts hygiene 613.12
Ridge, Ore history 979.593
[1] **schools adult educ. 374.8**
sports 796.9
squash (Cucurbitaceae)
garden crops 635.622
Winteraceae botany 583.1142
Winteranaceae " 583.137

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Winterberry (Ilicineae)
  botany 583.2781
Wintergreen
  Amer. (Ericaceae) bot. 583.62
  (Pyrolaceae) field crops 633.823
Wintering apiculture 638.14165
Winther, Christian
  Danish fiction 839.81363
Wire
  and radio syst., linked
    radio eng. 621.384156
  bare elec. transmission 621.31932
  cables manufactures 677.72–.73
  communication, electron
    tubes in radio eng. 621.3841322
  gauze prac. chemistry 542.46
  grafting agriculture 631.54133
  gratings manufactures 677.53
  houses stock exchanges 332.61
  insulated
    electric transmission 621.31933
  metal manufacture 671
  parallel, method
    radio measurements 621.3841715
  rope transmission
    mech. engineering 621.854
  ropeways mining 622.69
  strength of engineering 620.11288
  system television 621.38852
  tables, copper
    radio materials 621.38417941
  tapping public order 351.75
  wheels motor vehicles 629.2483
Wired radio engineering 621.3841574
Wiregrass region
  Ala Gulf coast hist. 976.128
    history 976.13
  Ga " 975.88
Wireless communication, *see*
  Radio, Television
Wirephoto electric eng. 621.38852
Wires
  aircraft supports 629.134328
  city planning 711.83
  landscape constr'n 713.8
  plant support 631.3451–3
    training 631.5461–3
  radio antennas 621.38413585
  telegraph business 654.4
  waves on radio eng. 621.384117
Wireworms (Sternoxia)
  agricultural pests 632.765
Wirewound guns ordnance 623.42164
Wiring
  central station eng. 621.317
  electric
    aircraft 629.1354
    cars & locomotives 621.3345
  local electric lighting 621.3282
  radio circuits 621.38413387
  transmission elec. eng. 621.319
Wirsung's canal anatomy 611.373
Wirt, William Amer. oratory 815.23
Wirt co., WVa history 975.426
Wisconsin
  admission US history 973.61
  history 977.5
  see note under **Virginia**
Wisdom
  county, Tenn history 976.8265
  divine doc. theology 231.6
  of Jesus, son of Sirach
    Apocrypha 229.4
    Solomon Apocrypha 229.3
Wise co., Va history 975.574
    men Christology 232.923
Wiselius, S I Dutch drama 839.31251
Wit games recreation 793.72
    literary
      see Humor and satire
Witchcraft phychology 133.4
Witches, persecutions of
  by Puritans church hist. 272.8
Witch-hazel
  (Hamamelidaceae) pharm. 615.323394
Witch's-besom or broom
  (Protodiscineae) bot. 589.237
Withdrawals, book
  library accession record 025.249
    selection method 025.218
Wither, George Eng. wit 827.41
Witmer cylinder test
  phychology 151.23
Witnesses legal procedure 347.94
Witt process photography 778.66
Wittrockiellaceae bot. 589.47427
Witwatersrand history 968.22
Wizardry occultism 133.4
Wodehouse history 968.774
Wolcot, John Eng. wit 827.65
Wolf (Canidae) mammalogy 599.74442
Wolfe
  and Montcalm US hist. 973.26
  county, Ky history 976.921
    Que " 971.457
Wolff, Elizabeth (Bekker)
  Dutch fiction 839.31341

Wolffian
body anatomy 611.619
duct, female " 611.669
male " 611.633
Wolfram
chemistry 546.78
processes photography 772.47
von Eschenbach
German poetry 831.24
Wolmaransstad history 968.29
Wolo Ntem " 967.13
Wolverine
(Mustelinae) mammalogy 599.744472
state (Mich) history 977.4
Woman
and home sociology 396.6
art anatomy 743.44
suffrage
amendment, 1920
US constitutional law 342.73
history 973.913
party US politics 329.83
political science 324.3
Woman's
exchange sociology 396.56
position & treatment
sociology 396
relief corps US soc. 369.161
rights sociology 396.2
veteran relief union 369.162
Womb anatomy 611.66
Women
as authors sociology 396.58
journalists " 396.507
scientists " 396.55
etc.
biography 920.7
clothing for dom. econ. 646.34
convicts prisons 365.43
deans of
univ. & col. admin. 378.113
delineation of sociol. 396.7–.8
diseases of pathol. 618
duties of family ethics 173
education of
see Education of women
in hist., polit. & war
sociology 396.9
labor of economics 331.4
librarians 023.56
medical education of 610.714
museum employes 069.63
offenders criminology 364.373
painting of f. arts 757.4
Women (cont.)
sociology 396
taxation 336.251
teachers education 371.183
vs men as teachers 371.18
with child, work of
economics 331.43
see also Female, Girls
Women's
apartments archi. 728.25
Christian associations 267.432
colleges 376.8
architecture 727.36
costume sociology 391.2
dept Sunday schools 268.434
gilds cooperation 334.54
libraries 027.624
mental capacity educ. 376.2
physical " " 376.1
religious societies 267.4
societies student life 371.856
unemployment econ. 331.47
unions labor organiza. 331.888
work
in church religion 259
YMCA 267.33
Wonder state (Art) hist. 976.7
Wonders doctrinal theol. 231.73
occultism 133.4
Wood
alcohol chem. tech. 661
and stone sculpture 731.27
building industry 691.1
carving fine arts 736.4
columnar construction 721.31
county, O history 977.116
WVa " 975.422
Wis " 977.552
distillation chem. tech. 668.7
domestic heating 644.21
engraving fine arts 761.2
lice (Isopoda) zool. 595.372
lots forestry 634.999
mosses (Bryineae) bot. 588.21415
motor vehicle materials 629.23231
products
economic botany 581.643
rough forestry 634.983
(R W) process
catalysotype phot. 772.16
color " 778.64
sculpture fine arts 731.22
sorrel (Oxalis) bot. 583.224
steam boiler fuels 621.18222

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Wood (cont.)
stoves kitchen equip. 643.332
surfaces painting, art 751 222
tests engineering 620.12
Woodbine
(Caprifoliaceae) bot. 583 511
(Vitaceae) " 583 2792
Woodbury co., Ia hist. 977 741
Woodbury types phot. 777.5
Woodchuck (Rodentia)
mammalogy 599.32
Woodcraft sports 796.545
Woodcuts engraving 769 612
Wooden
and iron structures
architectural constr'n 721.95
arches archi. " 721.427
ceilings " " 721.71
doors " " 721.81
floors " " 721.61
foundations archi. 721.132
houses, rural " 728 65–.66
urban " 728.39
implements archeology 571.51
money numismatics 737.42
pavements engineering 625.83
piles
archi. foundations 721.142
roofs archi. constr'n 721.51
ships shipbuilding 623.84
shoes manufactures 685.32
walls archi. constr'n 721.21
ware factories archi. 725 445
Woodford co., Ill hist. 977 353
Ky " 976 9465
Woodland farms agric. 631 144
gardens floric. 635.9676
Woodlands landscape art 715 268
natural lands. 719 233
Woodpeckers (Picidae)
ornithology 598 72
Woodroads lands. constr'n 713 72
Woodruff co., Ark hist. 976 792
grape vitic. 634 84709
Woods
aromatic forestry 634 9766
county, Okla history 976 621
dye- forest products 634 98474
fiber crops 633 588
forestry 634 9
hard forestry 634 97622
heavy " 634 97632
Lake of the
Canada history 971 311
Minn " 977.681
Woods (cont.)
light forestry 634.97636
perfume crops 633.814
private estates 712.64146
soft forestry 634.97626
Woodsheds architecture 728.994
Woodson co., Kan hist. 978 192
Woodstock
Cape Colony " 968.715
Woodward co., Okla " 976.619
Wood-wind instr. music 788.5– 9
Wood-wool textile mfg 677.546
Woodwork
carved archi. dec. 729.5981
interior decoration 747.33
ornamental carpentry 694.7
painted archi. dec. 729.4981
Woodworking
arts & crafts 745.51
carpentry 694
manufactures 674
mills architecture 725.442
shop engineering works 621 72
specimens mus. econ. 069.478
Woody plants botany 582.15
vines lands. art 715.4
Woof yarns manufactures 677.02861
see also special fibers
Wool
cordage manufactures 677.71
mineral eng. materials 620.195
manufactures 677.52
masonry 693 67
production zootechny 636 0884
reworked manufactures 677.36
textile " 677 3
vegetable " 677.37
wood- textile " 677.546
Woolen
clothing hygiene 613.481
fabrics
fulled & felted mfg 677.62
manufactures 677 3164
mills architecture 725.4123
textiles dom. econ. 646.13
Woolwich, London history 942.16
Worcester
Cape Colony " 968.722
county, Eng. " 942.47
Md " 975.221
Mass " 974.43
Word meth. elem. reading 372.4
of God Christology 232.2
Worden grape vitic. 634 847

Words
arrangement of
English syntax 425.3
[3] other languages —53
derivation of
English etymology 422
[3] other languages —2
philology 412
last Christology 232.958
personification of
psychology 152.777
sounds of
suggesting geom. forms
psychology 152.7713
use and abuse of
English language 428.3
[3] other " —83
Wordsworth, William
English poetry 821.71
Work
and climate psychology 158.738
distractions
psychology 158.733
drugs psychology 158.735
fatigue " 158 7
food " 158.736
rationing
physiol. 612.3951
incentives psychol. 158.734
muscular metabolism
physiology 612.74424
nitrogenous
metabolism
physiology 612.461232
sleep psychology 158.737
as aid economics 331.61
remedy therapeutics 615.851
at reduced wages econ. 331.5
classification of
economics 331.113
shop management 658.51
curve psychology 158.72
duration workmen 331.81
efficiency factors
psychology 158 73
encouragements econ. 331.9
ending labor " 331 13
excessive
economics 331.814
cheap labor 331.65
feeding for zoo echny 636.08453
for lodgings charity 362.52
intellectual economics 331.71
manual elementary educ. 372 5
Work (cont.)
mechanics 531.4
meters electric eng. 621.3745
methods office econ. 651.453
motivation psychology 158.734
muscular
effect on organism 612.745
physiology 612.744211
organiza. office econ. 651.32
overtime
economics 331.814
cheap labor 331 65
parochial, soc. relig. 256
personal
of employes lib. econ. 023.92
office personnel 651.442
physical physiology 612.7661
principles of maximum
thermochemistry 541.36
raising for zootechny 636.0882
right of economics 331.9
spread of " 331.61
Sunday, *see* Sunday work
training for zootech. 636.08862
Workers
apiculture 638.12155
butter- dairy apparatus 637.2324
see also Workmen
Workhouses
for paupers archi. 725.55
vagrants " 725.62
prisons 365.35
Working
and maintenance
in specific fields
[2] see subject —00036
butter- dairy industry 637.2334
conditions
and morality econ. 331.827
laboring classes 331.82
drawings, mechanical
fine arts 744.42
girls' homes
economics 331.833
public welfare 362 8
instructions
shop management
job analysis 658.5111
assigning 658.565
of soil agriculture 631.51
permits
pub. school regula. 379.14
plans forest manage. 634 92833
radio stations 621.3841600036
systems farm economics 631 115

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Working (cont.)
way thru school
education 371.226
university & college 378.365
Workingmen's assoc., Int'l 335.421
Workings, open mining 622.31
Workmen
activities, life
and work economics 331.8
and employers econ. 331.1
managers
unions of " 331.883
middleman wages 331.23
bonus for wages 331.22
characteristics of
economic equipment 331.114
classification of econ. 331.113
clubs for architecture 725.93
contributions to
government support 331.9
credit to gov't " 331.9
dangers to polit. econ. 331.82
domestic economy 647.3
duties & grades of
dept organization
labor economics 331.124
economics 331
education of
economic equipment 331.114
economics 331.85
special classes 371.965
engaging economics 331.116
engineering works 621.705
foreign economics 331.62
hygiene for medicine 613.6
industrial economics 658.3
libraries for
library economy 027.64
polit. " 331.85
methods labor disputes 331.89
native, and foreign labor 331.62
needs of economics 331.83
newspapers for
journalism 070.312
office personnel 651.34
qualifications of econ. 331.114
rating of " 331.125
records of " 331.123
recruiting of " 331.11
remuneration of " 331.2
representation of
industrial relations 331.152
responsibilities econ. 331.11
rules for " 331.14

Workmen (cont.)
selection labor demand 331.115
shop relations econ. 331.15
social classes 323.33
training of economics 331.86
transfer of " 331.125
transport of " 331.9
violence of labor disputes 331.8931
see also Employer, Employes, Labor
Workmen's
ass'ns for accident
prevention economics 331.823
banks financial " 332.314–.315
barracks architecture 725.92
budgets economics 331.831
colonies
city planning 711.582
free poor relief 362.56
compensation
employers' liability 331.825
cooperatives
consumer polit. econ. 334.5
political economy 334.64
day, length of econ. 331.811
gardens production 338.12
holidays economics 331.817
homes
economics 331.833
rural
architecture 728.68
tenament archi. 728.12
urban " 728.1
insurance
business 368.4
compulsory economics 331.251
economics 331.2544
Works
railroad engineering 625.1
situation of
industrial sanitation 628.521
see also Factories, & specific terms
Workshop receipts
chemic technology 660.83
Workshops
charitable
labor in economics 331.53
national " 331.61
Work-study plan
educational system 371.42
World
city civic arts 711.458
internationalism 321.041
metaphysics 113

World (cont.)
state political science 321.04
war, *see*
European war
World's fairs mus. econ. 069.019
Worlds, plurality of
astronomy 523.13
Worm, Ole Danish lit. 839.8183
Worm gears mech. eng. 621.8333
Wormian bones anatomy 611.7141
Worms (Vermes)
diseases caused by
pathology 616.962
botanic 581.2335
wire- (Sternoxia)
agricultural pests 632.765
see also qualifying or specific terms
Wormwood
(Anthemidaceae) botany 583.5537
Worries, effect on
mental health psychol. 131.337
Worship
administrative regulation 351.857
domestic
comparative religion 291.2134
practical " 249
forms of comp. relig. 291.3
natural theology 217
of men comp. relig. 291.213
nature " " 291.212
private personal relig. 248
public theology 264
social religion 246.7
Sunday schools 268.73
Worsteds manufactures 677.02861
see also special fibers
Worth
county, Ga history 975.8945
Ia " 977.723
Mo " 977.814
metaphysics 121
psychology of reasoning 153.664
Wortley process phot. 772.14
Wothlytypes " 772.46
Woulfe bottle
practical chemistry 542.231
Wounded, hospitals for
architecture 725.518
sociology 362.18
Wounds
and splenic action
physiology 612.416
Wounds (cont.)
reparation of biology 574.179
botany 581.179
surgery 617.14
zoology 591.179
Woven
fabric designs f. arts 745.5262
products
manufactures 677.02864
see also specific names
special 677.6
fabrics 677.62
rugs, hand fancywork 746.72
Wraiths occultism 133.1
Wrangeliaceae botany 589.416
Wrappers
packing business meth. 658.78844
value of advertizing 659.12
Wrapping appliances
office equipment 651.267
Wrasses (Pharyngognathi)
ichthyology 597.57
Wratten process phot. 778.66
Wrecks transport business 656
Wrens (Acromyodi)
ornithology 598.81
Wrestling bears recrea. 791.8
school hygiene 371.734
sports 796.81–.82
Wright co., Ia history 977.7274
Minn " 977.651
Mo " 977.8825
Que " 971.4221
Wringers laundry business 648.3
Wrisberg, nerve of
anatomy 611.8339
intermediate anatomy 611.83175
Wrist anatomy, regional 611.975
bones anatomy 611.7177
joints " 611.7274
lines palmistry 133.6433
signs " 133.6443
Writers
literary 806.9
biography 928
sacred Bible 220.1
comp. relig. 291.64
Writing
accessories
office fittings 651.4653
supplies 651.4663
automatic divination 133.323
spiritism 133.93

Writing (cont.)
characterology 137.7
devices, automatic
advertizing 659.138
direct spiritism 133.922
elementary education 372.51
inks chemic tech. 667.4
journalistic
journalism 070.41
literary methods 029.6
rhetoric 808.4
machine accessories
manufactures 681.6128
machines
business methods 652
manufactures **681.61**
mediums business meth. 652
shorthand 653.121
music notation 781.24
of history 907
psychology 158.84
elementary education 372.5101
reading & spelling
combined elem. educ. 372.45
secret recreation 793.8
shorthand **653.15**
system telegraphy 621.3826
Writs
legal procedure 347.93
parliamentary legis. 328.351
Wrongs private law 347.5
Wrought iron
architectural constr'n 721.92
decoration 729.5987
Wryneck (Picidae) ornithol. 598.72
Wu Kingdom, 229–265
Chinese history 931.076
Wuch language 491.41
Wuchang, China history 951.213
Wuchow, " " 951.28
Württemberg history 943.47
Württemberg swine (Suidae)
domestic animals 636.431
Wuhan cities, China hist. 951.213
Wuhu, " " 951.225
Wundt
color theory
physiology of vision 612.843301643
psychology 152.13301643
space perception theory
psychology 152.75201643
Wusih, China history 951.13
Wutaishan, " " 951.17
Wyandot co., O " 977.126
Wyandotte co., Kan " **978.139**
fowls (Gallinae)
agriculture 636.583
Wyatt
Thomas English poetry 821.27
windows archi. constr'n 721.843
Wycherley, William
English drama 822.44
Wyclifites sect. hist. 289.9
Wynberg
Cape Colony history 968.714
Orange Free State " 968.56
Wyoming
county, NY " 974.793
Pa " 974.835
WVa " 975.445
grape viticulture 634.847
state
admission US history 973.86
history 978.7
see note under Virginia
Valley, Pa
history 974.832
massacre Amer. revol. 973.3344
Wythe co., Va history 975.577

X

X's radio interference 621.3841541
XYZ classes education 371.25
Xanorphica music instr. 787.4
Xanthian marbles sculpt. 732.928
Xanthin bases
physiology of urine 612.461261
Xanthocollodion process
photography 772.14
Xanthophyl secretion bot. 581.14443
Xanthopyreniaceae " 589.16
Xanthus history, ancient 939.28
Xenacanthini
ichthyology 597.31
paleozoology 567.31
Xenarchi (Acanthopterygii)
ichthyology 597.58
Xenia biology 575.135
Xenocrates philosopher 184.3
Xenoglossis spiritism 133.93
Xenon chemistry 546.295

Xenopeltidae (Ophidia)
herpetology 598.121
Xenophanes philosopher 182.3
Xenophon Greek classics 888.3
Xenurinae mammalogy 599.31
Xeric formations botany 581.5265
Xerophytes veget. ecol. 581.5265
Ximenes
Francesch Catalan lit. 849.9814
grape viticulture 634.8546
Ximenia (Olacaceae) bot. 583.26
Xiphiidae (Acanthopterygii)
ichthyology 597.58
(Denticete)
mammalogy 599.53
Xiphisternum anatomy 611.713
Xiphodontidae mammalogy 599.7353
paleozool. 569.7353
Xiphosura zoology 595.392
X-rays diagnosis 616.0757
effect of mesol. 612.0144811
electricity 537.53
photography 778.33
radioactivity 539.7
therapeutics 615.84
Xylariaceae botany 589.2351
Xylem veget. morphology 581.4132
Xylography engraving 761.2
Xylophone musical instr. 789.6
Xylophotography f. arts 777.8
Xylopia (Anonaceae) bot. 583.115
Xyridaceae " 584.36
Xyridales " 584.3

Y

Y connections
electric transmission 621.3191333
ligament, coxal anat. 611.7282
YMCA, *see* Young men's Christian association
YWCA, *see* Young women's Christian association
Yabasi history 967.12
Yacht clubs architecture 725.87
Yachting
sports 797.14
suits domestic economy 646.47
Yachts
engine driven shipbldg 623.824
sailing " 623.8225
Yadkin co., NC history 975.666
Yajur-Veda comp. relig. 294.1
Yak (Bovidae) dom. anim. 636.2933
Yakima co., Wash hist. 979.755
valley, " " 979.75
[4] Yakut language 494.31
Yalobusha co., Miss. hist. 976.282
Yam (Dioscoreaceae)
garden crops 635.23
Yamagata history 952.117
Yamaguchi " 952.198
Yama-mai (Bombycina)
silk industry 677.423
Yamanashi history 952.165
Yamashiro " 952.1911
Yamaska co., Que " 971.454
Yamato " 952.186
Yamhill co., Ore history 979.539
Mts, " " 979.538
Yancey co., NC " 975.687
Yañez, Ruy Spanish poet. 861.15
Yangkü, China history 951.172
Yangtze River
delta, China " 951.13
valley, " " 951.2
Yap Island " 996.6
Yaquina Bay, Ore " 979.533
Yaray palm (Palmaceae)
fiber crops 633.584
Yard
improvement lands. art 712.6
metrology 389
Yards
railway engineering 625.18
service landscape art 717.66
stable " " 717.65
Yarkand, China history 951.6
Yarmouth co., NS " 971.631
Yarn
classification
textile manufactures 677.02823
see also special fibers
manufactures 677.02861-62
metal manufactures 677.53
numbering
mach. textile equip. 677.02853
textile process 677.02823
see also special fibers
testing textile mfg 677.0287
see also special fibers

Yarriba history 966.92
Yarrow (Anthemidaceae)
botany 583.5537
Yashu history 952.1381
Yasutoki Japanese " 952.02122
Yates co., NY " 974.782
Yaunde " 967.15
Yawl sailing sports 797.124
Yawning physiology 612.219
Yaws pathology 616.52
Yazoo
county, Miss. history 976.249
Mississippi delta " 976.24
Year
academic schools 371.23
univ. & col. 378.14
chronology 529.2
fêtes folklore 398.331
Yearbooks
advertizing in bus. 659.1327–8
statistical sociology 310
in specific fields
[2] see subject —058
Yeast (Saccharomycetaceae)
adulterations 614.315
chemic technology 664.6
cookery 641.6
domestic economy 641.3
Yedo history 952.1351
Yell co., Ark " 976.738
Yellerhammers
state (Ala) " 976.1
Yellow
coloring matter
secretion botany 581.14443
fever
inoculation 614.476
pathology 616.928
public health 614.541
Jacket Mts, Ida hist. 979.678
jasmin (Loganiaceae) bot. 583.74
Medicine co., Minn 977.637
press 070.16
River, China history 951.11
Sea " 951.12
Yellow-
eyed grass (Xyridaceae)
botany 584.36
green algae
(Hetercontae) bot. 589.48
Yellowstone Park descr. 917.87
Yellowwood
(Fabaceae) botany 583.322
(Rutaceae) " 583.23
Yells student life 371.898
[4] Yemen, ancient language of 492.9
history 953.3
[4] Yeniseian Samoyed lang. 494.413
Yerba maté (Ilicaceae)
field crops 633.77
Yercum (Asclepiadaceae)
textile manufactures 677.15
Yerkes point scale tests
psychology 151.22222
Yew (Taxaceae) botany 585.221
Yezo history 952.4
[4] Yiddish dialect philol. 492.49
Yield
feeding for zootechny 636.08452
forest mensuration 634.928531
regulation forestry 634.928334
zootechnic economy 636.0818
Yin dynasty Chinese hist. 931.03
Yochow, China " 951.215
Yodeling vocal expression 784.94
Yoga philosophy 181.4
Yokohama
fowls, white (Gallinae)
agriculture 636.5857
history 952.1331
Yola history 966.98
Yolo co., Calif. " 979.451
Yomei Japanese " 952.01365
Yonne " 944.41
Yoriie Japanese " 952.02112
Yoritomo " " 952.02111
York
county, Me " 974.195
Neb " 978.2345
NB " 971.551
Ont " 971.354
Pa " 974.841
SC " 975.743
Va " 975.542
house of Eng. " 942.04
Irish " 941.54
Yorkshire
coach horse (Equidae)
domestic animals 636.1422
England dialect 427.74
history 942.74
swine (Suidae)
large domestic animals 636.4241
middle " " 636.4271
small " " 636.4222
Yorktown, Va, siege
1781 Amer. revolution 973.3375
1862 US Civil war 973.7327

Yoruba history 966.92
Yosemite
valley, Calif. " 979.447
Yoshiaki Japanese " 952.0237
Yoshiharu " " 952.0236
Yoshihide " " 952.0237
Yoshihisa " " 952.0234
Yoshihito " " **952.032**
Yoshikatsu
(Yoshikazu) " " 952.0233
Yoshimasa " " 952.0233
Yoshimochi " " 952.0232
Yoshimune " " 952.02524
Yoshimura " " 952.0234
Yoshinaga " " 952.0237
Yoshino
period " " **952.0221**
Yoshinobu " " 952.02532
Yoshinori " " 952.0233
Yoshitane " " 952.0234
Yoshiteru " " 952.0236
Yoshitoki " " 952.02121
Yoshizumi " " 952.0234
Yoshu " " 952.38
Young, Edward Eng. poet. 821.55
Young
counsels to ethics 173.6
men's
Christian
association **267.3**
boys department **267.357**
buildings 267.32
architecture 726.973
care of 267.359
departments **267.35**
educational dept 267.353
Eur. w., 1914–19 940.4773
finances 267.351
history of **267.39**
information dept 267.356
librarian 267.342
libraries
library economy 027.6742
objects 267.31
officers with pay **267.34**
organization of 267.33
periodicals **267.39**
personnel training 267.345
physical dept 267.355
religious work 267.352
reports **267.39**
rooms school bldgs 371.625
social department 267.354
work with
special classes **267.36**
students 267.361
Young (cont.)
men's (cont.)
Christian (cont.)
unions, nonevangelic
religion 267.233
Hebrew ass'n Eur. w. 940.4776
people and libraries **021.3**
people's
division
Sunday schools 268.433
libraries **027.625**
relig. organiza. lib. **027.675**
literature lib. econ. 028.5
societies religion **267.6**
sociology **369.4**
society
bldgs architecture **728.44**
of Christian endeavor **267.613**
psychology of **136.7**
socialists' international 335.5222
women's Christian ass'n **267.5**
buildings archi. 726.975
European war, 1914–19 940.4774
libraries lib. econ. 027.6743
rooms school bldgs 371.625
Young-Helmholtz
color theory
physiology of vision 612.84330163
psychology " " 152.1330163
Youngstown, O history 977.1391
Youth
administration, National 362.706173
aid sociology **362.7**
botanic ontogeny 581.13532
hostels architecture 728.54
international
communist 335.442
socialist 335.5222
movement sociology 301.1584
protection
child welfare **362.7**
psychology of 136.7354
Yozei Japanese history 952.016215
Ypres Eur. w., 1914 940.4213
1915 940.4241
1916 940.4271
1917 940.4313
1918 940.4342
Yriarte y Oropesa
Tomás de Spanish poet. 861.45
Yser river European war 940.4213
Ytterbium chemistry 546.652
Yttrium " 546.61
Yuan
dynasty Chinese hist. 951.025
shih-kai " " 951.041

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Yuba co., Calif. hist. 979.435
Yucatan
architectural styles
pre-Columbian 722.912
history 972.6
Yucca
House nat'l monument
Colorado description 917.8827
(Liliaceae)
cordage manufactures 677.71
fiber crops 633.5772
Yugoslavia history 949.7
Yukaduma history 967.14
Yukon Territory " 971.21
Yuma co., Colo " 978.878
Yung-chêng Chinese " 951.033
Yungki, Manchuria " 951.88
Yungning, China " 951.28
Yunkwei, " " 951.33
Yunliangho, " " 951.11
Yunnan, " " 951.35
Yunnanfu, " " 951.355
[4] **Yurak language 494 411**
Yuryaku Japanese history 952.0133

Z

Zacatecas history 972.4
Zacharias Bible 224.98
Zaire, *see* Kongo
Zambezi River
delta history 967.94
history 967.96
Zamiaceae botany 585.912
Zander process phot. 778.66
Zanella, Giacomo
Italian poetry 851.82
Zanesville, O history 977.1911
Zanotti, F M It. essays 854.58
Zanzibar
protectorate history 967.81
Zapote melon (Caricaceae)
fruitculture 634.651
Zapotec archi. styles 722.911
Zapupe (Amaryllidaceae)
fiber crops 633.5776
Zaraibi goat (Bovidae)
domestic animals 636.39862
Zaria history 966.97
Zaupel sheep (Bovidae)
domestic animals 636.3333
Zea mays (Maydeae)
field crops 633.15
garden " 635.67
Zealand history 949.2
sheep (Bovidae)
domestic animals 636.3314
Zebra (Equidae) dom. anim. 636.184
Zebrass, Zebrule (Equidae)
domestic animals 636.185
Zebu (Bovidae) dom. anim. 636.291
Zechariah
Bible 224.98
Messianic prophecy of 232.128
Zeebrugge European war
1914–19, naval base 940.453
1915, " operations 940.455
1916, air raids 940.446
1918 940.4365
Zein silk industry 677.472
Zend-Avesta
[4] **language 491.52**
Zoroastrianism 295
Zenith projections
cartography 526.84
telescope
astron. instr. 522.43
Zeno
Apostolo Italian drama 852.55
of Citium philosopher 188.1
Elea " 182.3
Zephaniah, Apocalypse of 229.913
Bible 224.96
Zeppelins engineering 629.13325
Zesen, Philipp von
German poetry 831.56
Zetland Islands history 941.11
Zeus Greek mythology 292
Zierfahndler grape
viticulture 634.85436
Ziggurats architecture 726.19219
Zigzags military eng. 623.24
Zimbabwe history 968.932
Zinc chemistry 546.47
chlorid base
silk industry 677.468
coinage metals 332.418
metallurgy 669.5
mining 622.345
ores geol., econ. 553.45

Topics in black face type are subdivided. Superior figures refer to the tables following this index

Zinc (cont.)
oxid of therap. 615.776
processes phot. 772.84
work fine arts 739.55
Zinc-lead accumulators
electric engineering 621.35557
Zincographic printing
presses manufactures 681.6252
typography 655.31
Zincography
engraving 762.5
lithographic engraving 763.24
Zincs steam boilers 621.18479
Zingiberaceae botany 584.213
Zinn, zonule of anatomy 611.8442
Zinnia (Helianthaceae) bot. 583.5547
Zionism comp. religion 296
Ziphiidae (Denticete)
mammalogy 599.53
Zirconium
chemistry 546.83
processes photography 772.64
Zit kwa (Cucurbitaceae)
garden crops 635.618
Zither music 787.8
see also Cithern
Zizyphus (Rhamnaceae)
fruitculture 634.662
Zoantharia zoology 593.63
Zodiac
descriptive astronomy 523.29
light " 523.59
signs occult astrology 133.52
Zöllner
illusion physiology 612.84374154
psychology 152.1374154
iodid of starch
processes phot. 772.24
Zoetropes photography 778.52
Zollverein tariff 337.91
Zomba history 968.9775
Zonation silvics 634.94825
veget. ecology 581.5244
Zone
color theories
vision, physiology of 612.843301647
psychology " 152.13301647
rates railways 385.1321
Zones
climatic clothing 646.091–.092
cookery 641.591–.592
farming 631.091
for pollen plants apic. 638 1383
Zones (cont.)
free tariff 337.87
of nectariferous plants
apiculture 638.133
Zoning city planning 711.5
Zonula ciliaris anatomy 611.8442
Zoogeography zoology 591.9
Zoolatry comp. religion 291.2124
Zoologic
gardens 590.74
architecture 727.559
landscape art 712.56
material microscopy 578.9
surveys
aircraft service 629.138559
Zoologists 590.69
biography 925.9
Zoology 590
agricultural compends 630.29
economic 591.6
geographic 591.9
paleo- 562–569
pathologic 591.2
pharmaceutic 591.63
systematic 592–599
see also Fauna
Zoophily botany 581.1662566
Zoophytes zoology 593
Zoopraxiscopes phot. 778.52
Zoopsychology 151.3
Zoosporeae botany 589.67
Zoospores veget. embryol. 581.32542
Zoosporinae botany 589.47523
Zootechny agriculture 636.08
Zorah, book of
pseudepigrapha 229.915
Zorilla y Moral, José
Spanish poetry 861.53
[4] **Zoroastrian sacred lang. 491.52**
Zoroastrianism religion 295
Zouaves ethnology 572.965
infantry 356.16
Zoutpansberg history 968.26
Zoysieae botany 584.923
grass crops 633.281
Zschokke, J H D
German fiction 833.71
Zuilichem, C H heer van
Dutch poetry 839.31134
Zululand history 968.3
Zumbini, Bonaventura
Italian essays 854.87
Zumbo
Loangwa region hist. 968.959

Zungaria
desert, China history 951.6
Zunu sheep (Bovidae)
domestic animals 636.386
Zurich history 949.4
Zushu " 952.1665
Zwellendam " 968.734
[1] **Zwinglianism sect. " 284.2**
Zygaenidae (Plagiostomi)
ichthyology 597.31
Zygnematales botany 589.612
Zygomatic bone anatomy 611.7163
Zygomaticus " 611.7326
Zygomycetes botany 589.28
Zygophyceae " 589.6
Zygophyllaceae " 583.221
Zygosporeae algae 589.6
fungi 589.27
Zygospores
vegetable embryology 581.32543
Zymolysis botanic chem. 581.193
[4] **Zyrian language 494.532**

Topics in black face type are subdivided. Superior figures refer to the tables following this index

SUPPLEMENTARY TABLES

Table 1 — Geographic divisions

The following subjects may all be divided geographically by adding the geographic numbers: i.e. 4 Europe; 5 Asia; 6 Africa; 7 North America; 8 South America; 9 Oceania. These can be further subdivided as minutely as wished, like the history, 930–999, which see for full table; e.g. 42, England; 73, United States; 944, New South Wales; 7471, New York City, etc.

The geographic numbers are formed by omitting initial 9 from the historical numbers given in tables 930–999, and these figures are simply affixed to the number given in the table below; e.g. Atlases are numbered in the table below 912; in the historical tables France is numbered 944; omitting initial 9 and affixing the remaining figures, 44, to 912 gives 912.44, Atlases of France; New South Wales is 994.4; omit initial 9 and affix 944 to 912 and the result is 912.944, Atlases of New South Wales. In the table below, Mints are 332.49; in the historical tables England is 942; adding these together (omitting the 9) gives 332.4942, Mints in England. Colleges are 378; NY state, 974.7; add these together (omitting the 9) and the result is 378.747, colleges in NY state.

For other topics which may be divided geographically consult Tables and Index. Where no special provision is made for geographic subdivision, use 09 from Supplementary Table 2; see also form divisions 061–062 and 0711–3.

373.4-.9	Academies
379.4-.9	, pub.
354.3-.9	Administration
	for US see 353
923.53-.59	biog.
923.53-.59	Admirals' lives
784.7193-9	Airs, nat'l
591.93-.99	Animals, geog. distrib.
913.3-.9	Antiquities
631.493-.499	Arable lands
913.3-.9	Archeology
722-724	Architectural styles
	(see note in Tables)
923.53-.59	Army biog.
708.93-.99	Art galleries
362.93-.99	Asylums
027.23-.29	Atheneum libs.
912.3-.9	Atlases
911.3-.9	, hist.
013.93-.99	Authors, foreign
923.33-.39	Bankers' lives
332.153-.159	Banking, int'l
013.93-.99	Bibliog. of foreign authors
016.93-.99	hist.
015.3-.9	special countries
920.03-.09	Biog. of countries, coll.
	see also notes under 922
	& 923

655.43-.49	Bookselling, hist. of
338.5893-9	Booms
581.93-.99	Botany, geog.
022.333-.339	Buildings, lib.
331.193-.199	Capital and labor
923.33-.39	Capitalists' lives
361.93-.99	Charitable ass'ns
136.793-.799	Childhood
274-279	Church hist.
281.1-289.8	Churches (denominations) (see note in Tables)
027.33-.39	Circulating libs.
027.43-.49	City libs., pub.
923.53-.59	Civil service biog.
922	Clergymen's lives (see note in Tables)
635.95294-99	Climate influence on plants
027.23-.29	Club libs., proprietary
367.93-.99	Clubs, soc.
332.494-.499	Coinage, hist. of
027.73-.79	College libs.
378.4-.98	Colleges
325.33-.39	Colonies and colonization by countries
325.093	in anc. countries
325.4-.9	mod. " (see note in Tables)
923.83-.89	Commerce, biog. of
780.793-.799	Competitions, music
342.3-.9	Constitutional law
641.593-.599	Cookery
655.64-.69	Copyright
940.34-.39	Countries in Eur. w. (1914-19)
923.413-.419	Criminals' lives
364.93-.99	Criminology
338.5593-9	Crises
631.493-.499	Cultivation, lands for
913-919	Customs, nat'l
781.5085793-9	Dances, "
614.123-.129	Deaths and death-rates
281.1-289.8	Denominations, Chr. (see note in Tables)
338.5793-9	Depressions
914-919	Description, geog.
914-919	Directories
591.93-.99	Distrib. of anim., geog.
549.94-.99	min., "
581.93-.99	plants, "
572.93-.99	races, "
741.93-.99	Drawings
274-279	Ecclesiastic hist.
378.4-.98	Education, college
372.94-.99	elem.
373.4-.9	intermediate
376.93-.99	of women
373.4-.9	priv. acads.
379.4-.9	pub. school
923.73-.79	Educators' lives
372.94-.99	Elementary educ.
325.23-.29	Emigrants
923.13-.19	Emperors' lives
027.43-.49	Endowed libs., pub.
373.4-.9	schools, 2dary
769.93-.99	Engravings
572.93-.99	Ethnology
027.13-.19	Family libs.
591.913-.919	Faunas, insular
376.93-.99	Female educ.
631.8193-9	Fertilizers
780.793-.799	Festivals, music
336.4-.9	Finance, pub.
923.33-.39	Financiers' lives
581.913-.919	Floras, insular
784.493-.499	Folksongs
332.153-.159	Foreign banking
331.623-.629	labor
349.3-.9	law
327.3-.9	rela.
354.3-.9	states, admin.
634.9253-9	Forest policy
623.193-.199	Forts
027.93-.99	Free news rooms
027.43-.49	pub. libs.
027.03-.09	General libs.; hist., reports, etc.

914-919 Geography, descr.
911.3-.9 hist.
912.3-.9 maps
355.473-.479 mil.
554-559 Geology
354.3-.9 Government admin.
for US see 353
027.53-.59 libs.
352.03-.09 , loc.
923.23-.29 Governors' lives
911.3-.9 Historical geog.
016.93-.99 History, bibl. of
638.16593-99 Honey
362.93-.99 Hospitals
940.476 Eur. w. (1914–19)
(see note in Tables)
799.293-.299 Hunting
784.7193-9 Hymns, nat'l
331.623-.629 Immigrant labor
325.4-.9 Immigration
(see note in Tables)
338.93-.99 Industrial legis.
607.4-.9 Institutes of tech.
370.724-.729 , teachers
591.913-.919 Insular faunas
581.913-.919 floras
368.94-.99 Insurance
373.4-.9 Intermediate educ.
923.43-.49 Judges' lives
923.13-.19 Kings' lives
331.193-.199 Labor and capital
631.493-.499 Lands for cultivation
323.13-.19 Languages, internal rela.
923.43-.49 Law biog.
342.3-.9 constit.
349.3-.9 foreign
323.613-.619 Laws, citizenship
379.144-.149 school
338.93-.99 Legislation, indus.
021.894-.899 lib.
328.4-.9 Legislative bodies and annals
923.23-.29 Legislators' lives
027.03-.09 Libraries, gen.: hist., reports, etc.

808.8993-9 Literary coll'ns
809.93-.99 Literature, reg.
621.13294-99 Locomotives
371.42694-99 Manual training
912.3-.9 Maps
940.4754-9 Medical dept. Eur. w. (1914-19)
370.714-.719 Meetings, teachers
940.4654-9 Memorials of Eur. w. (1914-19)
923.83-.89 Merchants' lives
549.94-.99 Minerals, geog. distrib.
332.494-.499 Mints, hist. of
922 Missionaries' lives
(see note in Tables)
708.93-.99 Museums, art
781.83-.839 Music, anc.
781.73-.79 forms, nat'l
780.793-.799 gatherings
323.13-.19 Nationalities, internal rela.
339.493-.499 Natural resources
923.53-.59 Naval biog.
638.13293-99 Nectariferous plants
027.93-.99 News rooms, free
923.23-.29 Nobles' lives
759.93-.99 Painting, nat'l schools of
338.5693-9 Panics
027.833-.839 Parish libs.
328.4-.9 Parliamentary bodies
329.94-.99 Parties, polit.
for US see 329.1-.8
929.72-.79 Peerage, nobility, etc.
923.63-.69 Philanthropists' lives
912.3-.9 Plans of cities, etc.
581.93-.99 Plants, geog. distrib.
638.13293-99 nectariferous
363.93-.99 Political ass'ns
911.3-.9 div.: growth & changes
923.33-.39 econ., biog.
329.94-.99 parties
for US see 329.1-.8
923.23-.29 sci., biog.
923.23-.29 Politicians' lives

922	Preachers' lives (see note in Tables)
373.4-.9	Preparatory schools
923.13-.19	Presidents' lives
655.13-.19	Printing, hist. of
365.93-.99	Prisons
027.13-.19	Private libs.
373.4-.9	schools, 2dary
027.23-.29	Proprietary libs.
027.43-.49	Public libs.
379.4-.9	school syst.
015.3-.9	Publishers' lists
655.43-.49	Publishing, hist. of
923.13-.19	Queens' lives
323.13-.19	Races, internal rela.
572.93-.99	of men, geog. distrib.
923.83-.89	Railroad officials' lives
027.43-.49	Rate supported libs.
027.93-.99	Reading rooms, free
338.5793-9	Recessions
364.93-.99	Reformatory instit.
327.3-.9	Relations, foreign
274-279	Religious hist., Chr.
339.493-.499	Resources, nat.
923.13-.19	Rulers, chief, lives
922.1-.8	Saints, lives of
027.823-.829	School libs.
923.73-.79	officers' biog.
374.44-.49	Schools, correspondence
370.734-.739	normal
373.4-.9	priv., 2dary
379.4-.9	pub., syst.
508.4-.9	Scientific trav.
734.4-.9	Sculpture, medieval
735.4-.9	mod.
366.93-.99	Secret soc.
281.1-289.8	Sects, Chr. (see note in Tables)
373.4-.9	Seminaries, 2dary educ.
923.53-.59	Service, civ., biog.
326.93-.99	Slavery, hist.
367.93-.99	Social clubs
913-919	life & customs
335.93-.99	Socialist communities
267.21-.23	Societies, relig., of men (see note in Tables)
366.93-.99	secret
027.23-.29	Society libs.
631.493-.499	Soil, arable
923.53-.59	Soldiers' lives
784.493-.499	Songs, folk-
784.7193-9	nat'l
379.4-.9	State educ.
027.53-.59	libs.
923.23-.29	Statesmen's lives
314-319	Statistics
311.39	, official
331.89293-99	Strikes
722–724	Styles, archi. (see note in Tables)
027.33-.39	Subscription libs.
324.4-.9	Suffrage
923.73-.79	Teachers' lives
607.4-.9	Technical schools
207.3-.9	Theologic schools
027.43-.49	Town libs., pub.
015.3-.9	Trade catalogs, bibl.
914-919	Travel, descr.
508.4-.9	sci.
341.24-.29	Treaties, texts and hist.
331.137793-799	Unemployment
378.4-.98	Universities, hist., reports, etc.
027.73-.79	University libs.
634.853-.859	Vinifera, vitis
634.841094-099	Amer. hybrids
371.42694-99	Vocational training
324.4-.9	Voting
331.2613-9	Wage laws
331.293-.299	Wages
940.47784-89	Welfare wk. Eur. w., (1914-19) by country
940.47794-99	in "
376.93-.99	Woman's educ.
331.8193-9	Work, duration, econ.
267.394-.399	YMCA
267.594-.599	YWCA
591.93-.99	Zoology, geog.

Table 2 — Uniform subdivisions

The following subdivisions introduced by 0, 00 or 000 may be annext to the number for any subject if 0 or 00 divisions ar not alredy specifically provided under that subject. If a 0 or 00 division has been thus used in the main tables a corresponding extra 0 or 00 must be introduced before the significant digits 1–9 of form divisions here given; e.g. 352.005 represents in main tables Municipal civil service and a periodical on municipal government wil be 352.0005 and not, corresponding to usual procedure, 352.05, which represents, as indicated in main tables, local government in Asia; similarly essays on Italian history (where only a single 0 is printed in the main tables) would be 945.004, not 945.04, which represents Age of the communes.

While variation in number of 0's used in different parts of the Classification to designate features provided for in these tables of common subdivisions may at 1st sight seem confusing, there need be no difficulty if the classifier wil, when 1 of these tables is to be applied, see whether a 0 or 00 has or has not alredy been attacht to the number for the subject.

If preferd, letters may be substituted for 0's used in tables. As a result of careful study the following letters ar suggested as bringing about by alfabetic arrangement a desirable order: d (language, *d*ialect), f (*f*orm), k (time, *k*ronoloiy), p (*p*lace), r (*r*elation), v (*v*iewpoint); for bibliografic signs used in C D see Introduction, p. 40^2–43^1.

0 Form divisions

Including subdivisions derived mainly from C D.

For further subdivisions peculiar to special subjects see those subjects in main classification

01 **Philosofy Theory**

011 General conception
Definition, nature and character, origin, limits and extent, purpose, principles, plan

012 Classification
Divisions of the subject and their interrelations

013 Value Importance Usefulness

014 Language
Nomenclature, terminology, etimology, synonims, notations and symbols, abbreviations
For discussions; for dictionaries and glossaries see 03

2 Etimology

3 Scientific

32 Names of genera, species, etc.

33 Tecnical terms: organs, functions, processes, etc.

4 Popular

8 Systems of notation: symbols, abbreviations, etc.

015 Theories based on the pure sciences
Divided like 500

016 Miscellaneous theories

017 Systems of units and mesures peculiar to the subject

018 Scientific and tecnical methods
For experimental methods see 072; for teaching methods see 077

8 Special methods
Divisions appropriate to the subject; for each distinct subject see that subject

9 Methods of collaboration and cooperation

02 **Compends Handbooks Outlines**
Digests, syllabuses, charts, manuals, etc.; i.e. works treating the subject as a whole, briefly, in a systematic way

024 Books for special classes of persons
Divided like the whole classification, e.g. 332.024396 Personal finance for women

028 Tecnic

03 **Dictionaries Cyclopedias**
Concordances, lexicons, glossaries, vocabularies, etc.

04 **Essays Addresses Lectures**
Discourses, dissertations, letters, papers, tracts, etc.: i.e. works which take up various features of a subject without exhausting it

05 **Periodicals**

058 Annuals Directories

059 Almanacs

06 **Collectiv bodies: organizations, associations, societies**
Histories of associations etc, transactions, reports, charters, regulations, lists of members, etc

061 Government organizations
Departments, buros, etc. Divided like 062

062 Nongovernment organizations
Voluntary associations not under government control: societies, clubs, etc.

1 International

3-9 By country
Divided like 930–999

063 Congresses Conferences Temporary organizations
Divided like 062

064 Exhibits
Clas here only material distinctly illustrativ of the work of the organization. For exhibits chiefly of value from viewpoint of their subject see 074

065 Commercial establishments
See also 085 Commercial publications

069 Persons in relation to the subject
Persons interested in the subject: studying it, or occupied with it as a profession or business, their character, condition, duties and activities, their life and all which concerns them. Professional ethics. Clas here only works treating subject from general or theoretic viewpoint; clas works relating to individuals as biografy

07 **Study and teaching**

071 Schools Courses

1 Colleges Universities Divided like 930–999

2 Secondary schools " " "

3 Elementary " " " "

4 Schools and courses for special classes of persons
Correspondence courses, etc

5 Extension work

52 Institutes

6 Short courses

63 Summer

65 Winter

8 Private schools and courses
For general discussions. Schools and courses belonging to any of groups above ar clast by type

072 Reserch establishments Laboratories Experimentation Experiment stations

074 Museums Exhibits
For exhibits showing primarily the work of an organization see 064

076 Problems and questions
Their solution and ansers; exercize books

1 Statements of problems and questions

2 Solutions of problems

5 Practical exercizes

077 Pedagogic methods appropriate to special subject
See also 018 Scientific and tecnical methods, 072 Experimental methods

078 Instruments Apparatus
Equipment, implements, accessories, tools, etc.

079 Competitions Prizes Awards
Means of encuragement relativ to subject: medals, subsidies, scholarships, honorary titles and insignia, etc.

1 Public competitions and tests

3 Excursions Travels

4 Subsidies for research

08 **Polygrafy Collections Extracts**
Miscellanies, etc.

081 Individual polygrafy
Collected writings of a single author

082 Collectiv polygrafy
Collections of writings of several authors

1 Libraries Series

2 Anthologies Extracts Maxims Quotations

083 Reciets Formulas Tables

1 Reciets

2 Formulas

3 Abridgd formulas Mathematic formulas

4 Tables
Sinoptic tables

5 Numeric tables

6 Tables of results

8 Lists Statements Inventories Catalogs of objects
See also 085 Commercial catalogs

084 Grafic representations other than text
Atlases, portfolios, albums; collections of illustrations, charts, plates, designs, etc. relating to the subject, without text or with the text secondary

085 Commercial publications relating to the subject
Prospectuses, price lists, commercial catalogs, announcements, advertizements, etc.
See also 065 Commercial establishments

088 Varia

3 Curiosa Anecdotes Jokes Jests Oddities

5 Mysteries Humbugs Scientific frauds

089 Artificial collections Works, not serials, in course of publication

1 Artificial collections

2 Works, not serials, in course of publication

09 **History and general local treatment**

0901 Ancient history Primitiv

2 Medieval "

3 Modern "

4 20th century—

092 Biografy Case histories
Biografy is preferably clast in 920

093–099 By country
Divided like 930–999

00 Viewpoints

There is a degree of duplication of the material indicated under 001–009 (corresponding to C D's Points of view) and under 0003 (taken mainly from D C's 620.01–.09, which was in print 15 years earlier) but both ar here included for convenience of those who hav used either 1 or the other. It is recommended that where the captions seem practically synonimous 1 of them be chosen for use and reference made from the other

001 Speculativ point of view
Conception; purpose; statement of principles. Theoretic or experimental investigations and studies relating to an object

002 Point of view of realization
Fulfilment; construction; materials; constituent elements; procedure

003 Economic point of view
Industrial production; commercial output; cost and selling price

004 Point of view of servis and use

005 " " " " furniture and equipment

006 " " " " location and establishments or quarters
Use only for details of interior organization and service. For architecture see 720

007 Point of view of special personnel

008 " " " " organization
Clas here essential characteristics and general functions of the organization

009 Social and moral point of view

Below is given a 000 table covering (1) by use of arabic numerals what Classification Décimale provides for by bibliografic signs indicating relation and language (place being provided for by form division 09), and (2) divisions corresponding to those on 620.01–.09

000 Miscellaneous common subdivisions

0001 Relation
Divided like main classification

0002 Sources (literary, etc.) Documentation

0003 Administration
See note under table 00 Viewpoints

31 Statistics

32 Quantities Finance

33 Contracts Specifications

34 Designs Drawings

35 Executiv Administrativ

36 Working Maintenance

363 Personnel
May be divided like 331. As a feature of administration; for viewpoint of personnel see 007

364 Operation Running

365 Regulation Control
See note under 00037

367 Repairs Renewals
Administrativ point of view; a specific repair belongs with part repaird

368 Testing

37 Laws Regulations
Clas here regulations in general; for regulation as a feature of maintenance see 000365

38 Patents

39 Reports

0004 Language in which written
Divided like 400

0005–7 Reservd for special analitic subdivisions applicable to individual subjects

Index to supplementary Table 2, uniform subdivisions

Abbreviations —0148
Academies, soc., etc. —06
Accessories —078
Accounting —00032
Acts of societies, etc. —06
Addresses —04
Administration —0003
Administrative functions —00035
Adult education —0714
Advertizements, commerc. —085
Albums —084
Almanacs and calendars —059
Ancient hist. —0901
Anecdotes —0883
Announcements, commerc. —085
Annuals —058
Answers to problems —0762
Anthologies —0822
Antiquities —0901
Apparatus —078
Associations —06
Atlases —084
Awards —079
Biography —092
Blanks —083
Blueprints and plans —00034
Bounties, incentive —079
Briefs —02
Bureaus, ass'ns, etc. —06
Bylaws and regulations of ass'ns, soc., etc. —06
Calendars and almanacs —059
Case histories —092
Catalogs and lists —0838
Catalogs, commerc. —085
Character —011
Charlatanry —0885
Charters of ass'ns, soc., etc. —06
Charts, illus. —084
outlines —02
Chronicles, history —09
Classification —012
Clinics —072
Clippings, collection of —0822
Clubs —062
Collaboration —0189
Collected works & collections —08
Collections, artificial —0891
Collective bodies —06
Colleges and universities —0711
Colloquialisms —0144
Commercial
cat., circulars, etc. —085
establishments —065
output viewpoint —003
publications —085
Commissions, committees, bureaus, etc. —06
Compends —02
Competitions —079
Conception theory —011
viewpoint —001
Concordances —03
Conferences —063
Congresses —063
Constituent elements
viewpoint —002
Constitutions and bylaws of ass'ns, soc., etc. —06
Construction viewpoint —002
Consultations —0189
Contests —079
Continuations, non-serial —0892
Contracts —00033
Control, admin. —000365
Conventions —063
Cooperation —0189
Corporations —06
Correspondence
courses & schools —0714
letters —04
Cost admin. —00032
viewpoint —003
Courses of instruction —071
private —0718
short —0716
Curiosa —0883
Cyclopedias —03
Debates —04
Definition —011
Departments, governmental —061
Derivation of terms —0142
Designs —00034
collection of —084
Deterioration —000364
Dictionaries, spec. —03
Digests —02
Directories —058

Discourses —04
Disputations —04
Dissertations —04
Distribution, geographic —093–099
Divisions —012
Documentation —0002
Dossiers —08
Drawings —00034
collection of —084
Economic viewpoint —003
Education —07
Elementary schools —0713
Elements viewpoint —002
Encouragement, means of —079
Encyclopedias, spec. —03
Epitomes —02
Equipment —078
and furniture viewpoint —005
Essays —04
Establishments and quarters viewpoint —006
Esthetics —01
Ethics, professional —069
Etymology, nomenclative —0142
Examinations, competitive —0791
Excursions, incentive —0793
Executive manage. —00035
Exercize books —076
Exercizes, practical —0765
Exhibits —074
of activities, of ass'ns, soc., etc. —064
Experiment stations —072
Experimental meth. viewpoint —001
Experimentation and its establishments —072
Expositions —064
Extension courses —0715
Extent —011
Extracts —0822
Fairs —064
Fieldwork —072
Finance —00032
Forms —083
Formularies —0832–3
Formulas —0832–3
Foundations, ass'ns, etc. —06
Frauds —0885
Fulfilment viewpoint —002
Functioning and operation —000364
Functions, terminol. of —01433
Furniture and equip. viewpoint —005
Genera, terminol. of —01432
Geographic distribution —093–099
Glossaries —03
Government control & regula. —00037
Governmental bureaus, depts, etc. —061
Grants, incentive —079
Graphic representation —084
Guide books —02
Handbooks —02
Highschools —0712
History —09
Hoaxes —0885
Honorary degrees, titles & insignia —079
Humbugs —0885
Humor and curiosa —0883
Iconography —084
Illustrations —084
Implements —078
Importance —013
Impostures —0885
Incentives —079
Industrial production viewpoint —003
Informational sources —0002
Insignia, honorary incentive —079
Institutes —07152
Instruction —07
Instruments —078
Interior organiza. & service —006
International ass'ns, soc., etc. —0621
Interrelations
between subjects —0001
classification —012
Inventories —0838
Investigations, theoretic & exper. viewpoint —001
Jests —0883
Jokes —0883
Journals, magazines, etc. —05
Laboratories and work in —072
Language
distinctive of subject —014
in which written —0004
popular —0144
sci. —0143
Law and principles —01
Laws and regulations —00037

Lectures	—04
Legislation and laws	—00037
Letters	—04
Lexicons	—03
Libraries as series	—0821
Limits	—011
Lists and catalogs	—0838
of members	**—06**
Literary addresses	—04
Local ass'ns, soc., etc.	**—0623–9**
treatment	**—093–099**
Location and quarters viewpoint	—006
Magazines	—05
Maintenance and working	—00036
Management	—00035
Manuals	—02
Materials viewpoint	—002
Mathematical formulas	—0833
Maxims	—0822
Measures peculiar to subject	—017
Medals, honorific	—079
Medieval hist.	—0902
Members, lists of	**—06**
Methods, cooperative	—0189
experimental	—072
of studying	**—07**
of teaching	—077
sci. & tech.	**—018**
special	—0188
Miscellanies	**—08**
Modern hist.	**—0903**
Moral viewpoint	—009
Motivation	**—079**
Museums	—074
Mysteries	—0885
Names, sci., of species, etc.	—01432
tech.	—01433
National ass'ns, soc., etc.	**—0623–9**
Nature, gen.	—011
Nomenclature	**—014**
Notation syst.	—0148
Numeric tables	—0835
Observatories	—072
Oddities	—0883
Official bureaus, depts, etc.	**—061**
Operation and functioning	—000364
Orations	—04
Organization and admin. viewpoint	—008
service, interior viewpoint	—006
Organizations, ass'ns, etc.	**—06**
temporary	**—063**
Organs, terminol. of	—01433
Origin	—011
Outlines	—02
Output, commerc. viewpoint	—003
Pamphlets	—04
Papers and essays	—04
Patents	—00038
Pedagogic methods	—077
Periodicals	**—05**
Personnel admin.	—000363
viewpoint	—007
Persons connected with subject	—069
Philosophy	**—01**
Photographs, collections of	—084
Pictures, collections of	—084
Places viewpoint	—006
Plan, gen.	—011
Plans and blueprints	—00034
Plates, illus.	—084
Polygraphy	**—08**
collective	**—082**
individual	—081
Portfolios, illus.	—084
Practical exercizes	—0765
Price lists	—085
Prices admin.	—00032
viewpoint	—003
Primitive hist.	—0901
Principles theory	—011
viewpoint	—001
Private institutions, soc., etc.	**—062**
Prizes	—079
Problems	**—076**
Procedure viewpoint	—002
Proceedings of ass'ns, soc., etc.	**—06**
Processes, terminol. of	—01433
Production, indus. viewpoint	—003
Professional educ.	**—07**
people	—069
Prospectuses	—085
Publications commerc.	—085
gen., of acad., soc., etc.	**—06**
Purpose	—011
viewpoint	—001
Quantities	—00032
Quarters and location viewpoint	—006
Questions	**—076**

Quotations —0822
Realization viewpoint —002
Receipts —0831
Records, admin. —00039
Regional ass'ns, soc., etc. —0623–9
Regulation admin. —000356
Regulations and rules —00037
of ass'ns, soc., etc. —06
Relation between subjects —0001
Renewals and repairs admin. —000367
Reports, admin. —00039
of ass'ns, soc., etc. —06
Research
and its establishments —072
subsidies for —0794
Results, tables of —0836
Reviews, magazines, etc. —05
Rules and regula. —00037
of ass'ns, soc., etc. —06
Running and functioning —000364
Satires —0883
Scholarships —079
Schools —071
private —0718
Scientific management —00035
meth. —018
terms —0143
Scope —011
Scrapbooks —0822
pictorial —084
Secondary schools —0712
Seminaries —071
Serials —05
Series and libraries —0821
Service and organiza.,
interior viewpoint —006
Serviceability and use
viewpoint —004
Sketches lit. —04
Slang —0144
Social viewpoint —009
Societies —06
Solutions of problems —0762
Sources of information —0002
Species, terminol. of —01432
Specifications —00033
Speculative point of view —001
Statements, cat. & lists —0838
Statistics —00031
Statutes —00037
Study —07
theor. & exper. viewpoint —001
Subsidies, incentive —079
Subventions, incentive —079
Summer courses —07163
Supervision, admin. —00035
Supplies viewpoint —005
Syllabuses —02
Symbols —0148
Synonyms, nomenclative —014
Synopses —02
Synoptic tables —0834
Tables —0834–6
Teaching —07
Technical educ. —07
meth. —018
terms —01433
Temporary organizations —063
Terminology —014
popular —0144
Tests, admin. of —000368
pub. —0791
Textbooks —02
Theories
based on the pure sci. —015
misc. —016
Theory —01
Titles, honorary, incentive —079
Tools —078
Tracts —04
Training —07
Transactions of acad., soc., etc. —06
Travels, incentive —0793
Trivia —0883
20th century— —0904
Units peculiar to subject —017
Universities and colleges —0711
Use and serviceability
viewpoint —004
Usefulness —013
Utility —013
Vacation courses —0716
Value —013
Varia —088
Vocabularies —03
Voluntary ass'ns, soc., etc. —062
Winter courses —07165
Working and maintenance —00036
Yearbooks —058

Table 3— Languages and Literatures

The table below includes all individual languages and literatures given distinct numbers in the classification, but not some groups not yet subdivided (e.g. 497 Languages and 897 Literatures of North American Indians) nor some languages and literatures named as part of a group which may be subdivided later

Any language in this table may be subdivided like 420, English. Any philologic topic in the index may be transferd to another language by replacing the initial figures of the language, as found in this table, by those of the 2d language also found here: e.g. Syntax, English language, in the index is 425.2. In this table, English is 42 and French is 44; replacing the 42 by 44 givs 445.2 French syntax. Hebrew is 492.4, and Hebrew syntax is 492.452. A 3d way to subdivide the language is to prefix the language figures, as given in this table, to the philologic numbers given in Table 4. All 3 methods giv the same result

The form divisions of English literature: 1, Poetry; 2, Drama; 3, Fiction; 4, Essays; 5, Oratory; 6, Letters; 7, Satire and Humor; 8, Miscellany; may be used to subdivide any of the literatures in the following table, except Anglo-Saxon, Latin and Greek, for which special literature tables ar provided under 829, 870 and 880 respectivly; and any division of English literature in the index referring to this table may be used in subdividing another literature, by replacing the initial figures 82 (denoting English) by the figures of the 2d literature as given in this table. Thus Ballads; English literature, in the index ar 821.04 and in this table Spanish is 86, therefore 861.04 is Spanish ballads; 891.7 is Russian and 891.7104 is Russian ballads. Any form of any literature may be divided by period like the poetry of that same literature, e.g. 847 may be divided by period like 841

491.58	Afghani	891.58
492.8	African Semitic	892.8
439.36	Afrikaans	839.36
493.56	Agaou	893.56
491.991	Albanian	891.991
492.8	Amharic	892.8
494.813701	Andhra	894.813
429.	Anglo-Saxon	see note
495.92	Annamite	895.92
492.7	Arabic	892.7
492.1	Aramaic	892.1
491.54	Armenian	891.54
491.68	Armoric	891.68
492.19	Assyrian	892.19
492.1	Assyro-Aramaic	892.1
491.52	Avestan, Zend	891.52
492.19	Babylonian	892.19
491.52	Bactrian, Old	891.52
499.223	Bali	899.223
491.591	Baluchi	891.591
491.68	Bas Breton	891.68
491.69	Basque	891.69
499.226	Batak	899.226
493.53	Bedja (Bedouin)	893.53
491.44	Bengali	891.44
491.86	Bohemian	891.86
491.68	Breton	891.68
491.65	Brythonic	891.65
491.81	Bulgarian	891.81
494.23	Buriat	894.23
495.8	Burmese	895.8
496.2	Bushmen, African	896.2
449.9	Catalan	849.9
492.2	Chaldee	892.2
494.521	Cheremissian	894.521
495.1	Chinese	895.1
494.543	Chudic	894.543
491.81701	Church Slavonic	891.81
493.2	Coptic	893.2
491.67	Cornish	891.67
491.83	Croatian	891.83
492.19	Cuneiform	892.19
491.65	Cymric group	891.65
491.66	" or Welsh	891.66
491.86	Czech, Bohemian	891.86
439.81	Danish	839.81
493.55	Dankali	893.55
439.4	Deutsch, Platt	839.4
494.322	Djagataic	894.322
439.31	Dutch	839.31
499.227	Dyak	899.227
493.1	Egyptian, Old	893.1
42	English	82
427.02	" Middle	82
427.01	" Old	82
491.61	Erse, Gadhelic group	891.61
491.63	" Gaelic	891.63
408.92	Esperanto	808.92
494.545	Esthonian	894.545
492.8	Ethiopic, Semitic	892.8

439.6	Faroese	839.6
494.541	Finnish	894.541
439.32	Flemish	839.32
499.212	Formosan	899.212
44	French	84
447.01	" Old	84
439.2	Frisian	839.2
491.61	Gadhelic group	891.61
491.63	Gaelic or Scotch	891.63
469.9	Galician	869.9
493.52	Galla	893.52
499.9621	Georgian	899.9621
43	German	83
439.4	" Low, Plattdeutsch	839.4
439.1	" " Western Germanic	839.1
437.02	" Middle High	83
437.01	" Old High	83
491.61	Goidelic group	891.61
494.823	Gônd	894.823
439.9	Gothic	839.9
48	Greek	see note
491.47	Gujerati	891.47
492.4	Hebrew	892.4
492.9	Himyaritic	892.9
491.43	Hindi	891.43
491.1	Hindu group	891.1
491.43	Hindustani	891.43
494.513	Hongro-ostiak	894.513
496.1	Hottentot	896.1
494.511	Hungarian	894.511
491.531	Huzwaresh	891.531
439.6	Icelandic	839.6
491.1	Indic group	891.1
491.3	" Middle	891.3
491.2	" Old	891.2
491.52	Iranic, East	891.52
491.51	" West	891.51
491.62	Irish	891.62
45	Italian	85
494.322	Jagataic	894.322
495.6	Japanese	895.6
499.222	Javanese	899.222
492.4	Jewish (Hebrew)	892.4
494.22	Kalmuk	894.22
494.422	Kamassin	894.422
494.814	Kanarese	894.814
494.814	Kannada	894.814
494.542	Karélian	894.542
494.824	Khond	894.824
494.34	Kirghiz	894.34
494.816	Kodagu	894.816
495.7	Korean	895.7
494.821	Kôta	894.821
494.824	Kou	894.824
494.544	Krévin	894.544
491.83	Kroatian	891.83
491.57	Kurdish	891.57
	Kymric, *see* Cymric	
459.9	Ladin	859.9
499.213	Ladrones	899.213
494.12	Lamut	894.12
494.55	Lapp	894.55
47	Latin	see note
499.9624	Lazistan	899.9624
491.93	Lettish	891.93
491.92	Lithuanian	891.92
494.546	Livonian	894.546
491.88	Lusatian	891.88
499.214	Madagascar	899.214
499.224	Maduran	899.224
494.511	Magyar	894.511
499.228	Makassar	899.228
499.214	Malagasy	899.214
499.221	Malay	899.221
494.812	Malayalam	894.812
494.13	Manchu	894.13
491.64	Manx	891.64
491.46	Marathi	891.46
499.213	Marianas	899.213
492.9	Minaean	892.9
499.9623	Mingrelian	899.9623
494.21	Mongol, Eastern	894.21
491.871	Moravian	891.871
494.522	Mordvinian	894.522
499.11	Negrito	899.11
491.55	Neopersian	891.55
492.19	Nineveh cuneiform	892.19
494.33	Nogair	894.33
439.5	Norse group	839.5
439.6	" Old	839.6
439.82	Norwegian (Modern Norse)	839.82
494.826	Orâon	894.826
491.45	Orissa	891.45
494.35	Osmanli	894.35

491.56	Ossetic	891.56
494.513	Ostiak, Hongro-	894.513
494.421	" Samoyed	894.421
491.3701	Pali	891.3
491.42	Panjabi	891.42
499.12	Papuan	899.12
491.532	Parsee	891.532
491.531	Pehlevi	891.531
492.5	Pentateuch, lang. of	892.5
494.531	Permian	894.531
491.55	Persian, Modern	891.55
491.51	" Old	891.51
492.3	Peshito, lang. of	892.3
492.6	Phenician	892.6
439.4	Plattdeutsch	839.4
491.89	Polabian	891.89
491.85	Polish	891.85
469.	Portuguese	869.
491.3	Prakrit	891.3
491.3	" Secondary	891.3
449.	Provençal	849.
491.91	Prussian, Old	891.91
491.42	Punjabi	891.42
491.58	Pushtu	891.58
494.825	Râdjmahal	894.825
459.9	Rheto-Romanic	859.9
479.1	Romance	879.
459.9	Romansh	859.9
459.	Rumanian	859.
459.9	Rumansh	859.9
491.7	Russian	891.7
491.79	" Little	891.79
491.79	Russniak	891.79
491.79	Ruthenian	891.79
492.9	Sabean	892.9
493.54	Saho	893.54
492.5	Samaritan	892.5
494.421	Samoyed-ostiak	894.421
494.413	" Yeniscian	894.413
491.2	Sanskrit	891.2
429.	Saxon, Anglo-	see note
439.2	" Old	839.2
439.5	Scandinavian group	839.5
491.63	Scotch or Gaelic	891.63
492.8	Semitic, African or Ethiopic	892.8
491.82	Serbian	891.82
491.82	Serbo-Kroatian	891.82
495.91	Siamese	895.91
491.41	Sindi	891.41
491.48	Singhalese	891.48
491.991	Skipetar	891.991
491.81701	Slavonic, Church	891.81
491.89	" Elbe	891.89
491.872	Slovakian	891.872
491.84	Slovenian	891.84
493.51	Somali	893.51
491.88	Sorabian	891.88
491.88	Sorbian	891.88
46	Spanish	86
499.226	Sumatran	899.226
499.225	Sundanese	899.225
494.541	Suomi	894.541
499.9622	Svanetian	899.9622
439.7	Swedish	839.7
492.3	Syriac	892.3
494.532	Syryenian	894.532
494.811	Tamil	894.811
494.412	Targhi	894.412
494.521	Tcheremissian	894.521
494.813	Telinga	894.813
494.813	Telugu	894.813
495.4	Tibetan	895.4
494.822	Toda	894.822
494.815	Tulu	894.815
494.815	Tuluva	894.815
494.11	Tungus	894.11
494.35	Turkish	894.35
494.323	Turkoman	894.323
494.513	Ugro-ostiak	894.513
494.321	Uigurian	894.321
491.79	Ukrainian	891.79
491.45	Uriya	891.45
494.512	Vogul	894.512
408.91	Volapuk	808.91
494.533	Votiak	894.533
491.66	Welsh	891.66
491.88	Wendish	891.88
494.31	Yakut	894.31
494.413	Yeniscian	894.413
492.49	Yiddish	892.49
494.411	Yurak	894.411
491.52	Zend	891.52
494.532	Zyrian	894.532

Table 4. — Philological Divisions.

All the languajes in Table 3 can be divided like 420, English, by adding the figures below: e.g.,

English orthography	421
Provençal "	449.1
Arabic "	492.71
Gaelic "	491.631
Syntax of English verbs	425.8
" Modern Greek verbs	489.58
" Danish "	439.8158
" Armenian "	491.5458
Inflection of English nouns	425.15
" Anglo-Saxon nouns	429.515
" Hebrew "	492.4515
" Welsh "	491.66515

18	Abbreviations.
12	Ablaut.
16	Accent, pronunciation.
61	" prosody.
51	Accidence.
25	Accusative, etymology.
55	" syntax.
26	Adjectival forms, derivation.
516	Adjectives, inflection.
56	" syntax.
29	Adverbs, derivation.
59	" syntax.
22	Affixes, derivation.
11	Alphabet.
21	Analogy.
53	Analysis, grammar.
67	Antistrophe, prosody.
28	Aorist, etymology.
58	" syntax.
7	Archaisms.
709	Argot.
53	Arrangement of words and clauses.
56	Articles, syntax.
12	Aspirates.
28	Augment. etymology.
83	Barbarisms.
83	Blunders.
25	Case endings, derivation.
55	Cases, syntax.
87	Chrestomathies.
53	Clauses, arrangement of.
516	Comparison, inflection.
26	Comparison, signs of, derivation.
54	Conditional sentences.
518	Conjugation.
29	Conjunctions, etymolog.
59	" syntax.
28	Conjunctive mood, etymology.
58	" " syntax.
13	Consonants.
12	Crasis.
25	Dative case, etymology.
55	" " syntax.
515	Declension of nouns.
2	Derivation of words.
7	Dialects.
3	Dictionaries.
25	Diminutives, derivation.
12	Diphthongs.
17	Diplomatics.
701	Early forms of language.
86	Elementary readers.
53	Ellipsis.
52	Enallage.
83	Errors of speech.
2	Etymology, derivation.
51	" inflection.
89	Examination papers.
63	Feet, prosody.
64	Figures of prosody.
82	First lessons.
63	Foot prosody.
24	Foreign elements.
25	Gender, etymolgy.
25	Genitive case, etymology
55	" " syntax.
7	Glossaries, dialects.
3	" language.
83	Grammatical errors.
65	Hexameters.
64	Hiatus.
4	Homonyms.
54	Hypothetical sentences
31	Idioms.
88	Individual authors, texts.
28	Infinitive mood, etymology.
58	" " syntax
51	Inflection.
516	" of adjectives.
515	" " nouns.
517	" " pronouns.
518	" " verbs.
17	Inscriptions.
29	Interjections, etymology.
59	" syntax.
29	Interrogativs, etymology.
59	" syntax.
21	Laws of language.

1 Letters, alphabet.
3 Lexicography.
3 Lexicons.
17 Manuscripts
65 Meters, prosody.
825 Modifications, special.
28 Moods, signs of, derivation.
58 " syntax.
51 Morphology.
25 Noun forms, derivation.
515 Nouns, inflection.
55 " syntax.
25 Number, signs of, derivation.
701 Old forms of language.
21 Origin of language.
15 Orthoëpy.
1 Orthography.
17 Palæography.
52 Parsing.
29 Particles, derivation.
59 " syntax.
27 Personal pronouns, derivation.
14 Phonetic spelling.
82 Phrase book.
27 Possessive pronouns, derivation.
57 " " syntax.
22 Prefixes, derivation.
29 Prepositions. "
59 " syntax.
27 Pronominal forms, derivation.
517 Pronouns, inflection.
57 " syntax.
15 Pronunciation.
82 Prose composition.
6 Prosody.
7 Provincialisms.
19 Punctuation.
61 Quantity, prosody.
86 Readers, elementary.
87 " selections.
23 Reduplication, derivation.
27 Relativ pronouns, "
57 " " syntax.
66 Rhymes, prosody.
66 Rhyming dictionary.
8 School books and texts.
87 Selections, readers.
54 Sentences of particular form.
709 Slang.
81 Spelling books.
14 " reform.
67 Strophe, prosody.
22 Suffixes, derivation.
4 Synonyms.
52 Syntax.
28 Tense signs, derivation.
58 " syntax.
8 Text books.
824 " " for foreigners.
68 " " " writing verse.
88 Texts of individual authors.
12 Umlaut.
83 Use of words.
28 Verbal forms, derivation.
518 Verbs, inflection.
58 " syntax.
68 Verse, text books for writing.
62 Versification.
28 Voice signs, derivation.
12 Vowels.
83 Vulgarisms.
53 Words, arrangement of.
2 " etymology.
83 " use of.

For Biscoe time and Olin book number schemes and Special author tables: Shakespeare, Milton, etc. see editions 11, 12 and 13. See also Bertha R Barden, *Book numbers*, A.L.A., 1937.

582 Systematic and taxonomic botany

Abridged from Universal Decimal Classification, English ed., 1939. See also 561 Paleobotany. The following classification follows that of the 1936 edition of Engler-Diels' 'Syllabus der pflanzenfamilien'

582.2–.3 Cryptogamia Flowerless plants Spore plants

582.21 Cryptogamia in general
.22 Thallophyta
.23 Schizophyta
.231 Schizomycetes Bacteria
.232 Schizophyceae Phycochromaceae Cyanophyceae Oscillatoriaceae (Lyngbyaceae), Scytonemataceae, Stigonemataceae (Sirosiphonaceae), Nostocaceae, Rivulariaceae, Chroococcaceae, Chamaesiphonaceae, etc.
.24 Myxomycetes Myxothallophyta Mycetozoa Phytosarcodina Slime fungi
.241 Acrasiales .242 Hydromyxales Plakopodaceae, Vampyrellaceae
.244 Myxogasteres
2 Exosporales Ectosporeae Ceratiomyxaceae
3 Endosporeae
4 Cribrariales Cribrariaceae
6 Enteridiales Reticulariaceae, Tubiferaceae, Lycogalaceae, etc.
.2452 Liceales Liceaceae, Listerellaceae
3 Stemonitales Amaurochaetaceae, Stemonitaceae, Collodermaceae, Echinosteliaceae, etc.
5 Physarales Physaraceae, Didymiaceae
6 Margaritales Margaritaceae
8 Trichiales Arcyriaceae, Trichiaceae
.25 Flagellae Flagellates
.251 Flagellatae
1 Pantostomatales Holomastigaceae, Rhizomastigaceae
2 Distomatales (Diastomatales) Distomataceae (Diastomataceae)
3 Protomastigales Oicomonadaceae, Bicoecaceae, Craspemonadaceae, Phalansteriaceae, Monadaceae, Bodonaceae, Amphimonadaceae, Trimastigaceae, Tetramitaceae, etc.
4 Chrysomonadales Chromulinaceae, Hymenomonadaceae, Ochromonadaceae, etc.
5 Cryptomonadales Cryptomonadaceae, etc.
6 Chloromonadales Chloromonadaceae, etc.
7 Euglenales Euglenaceae, Astasiaceae, Peranemataceae
.252 Dinoflagellatae Peridinales Peridineae Cilioflagellatae
.253 Adiniferidea
1 Athecatales Athecatoidae
2 Thecatales Thecatoidae Prorocentricae: Prorocentraceae, etc.

582.254 Diniferidea
1 Gymnodiniales Gymnodinioidae
2 Protodiniferaceae, 3 Gymnodiniaceae, 4 Polykrikaceae, 5 Noctilucaceae, 6 Pouchetiaceae, 7 Blastodiniaceae
9 Peridiniales Peridinioidae Peridiniaceae
255 Doubtful Dinoflagellatae Cystodiniidae, Amphilothioideae, Cystoflagellata, etc.
258 Silicoflagellatae
1 Siphonotestales Dictyochaceae
2 Stereotestales Ebriaceae
.259 Heterocontae Heterochloridaceae, Botryococcaceae, Chlorobotrydaceae, Chlorotheciaceae, Ophiocytiaceae, Tribonemaceae, Botrydiaceae, etc.
.26 Algae Seaweeds
.261 Bacillariophyta (Diatomeae) Bacillariales
1 Centricae Discaceae, Soleniaceae, Biddulphiaceae, Rutilariaceae, etc.
5 Pennales Pennatae
Fragilariaceae (Diatomaceae), Eunotiaceae, Achnanthaceae, Naviculaceae, Epithemiaceae, Nitzschiaceae, etc.
.262 Conjugatae
2 Desmidiales Desmids Mesotaeniaceae, Desmidiaceae, etc.
3 Zygnematales Zygnemataceae, Mesocarpaceae, etc.
.263 Chlorophyceae Green algae
.264 Protococcales
1 Volvocales Chlamydomonaceae, Volvocaceae, etc.
4 Euprotococcales
Tetrasporaceae, Chlorosphaeraceae, Pleurococcaceae, Protococcaceae, Oocystaceae, Hydrodictyaceae, Coelastraceae, Protosiphonaceae, etc.
.265 Ulotrichales (Confervales)
Ulvaceae, Ulotrichaceae, Blastosporaceae, Wittrockiellaceae, Chaetophoraceae, Trentepohliaceae, Chroolepidaceae, Chaetopeltidaceae, Aphanochaetaceae, Coleochaetaceae, Cylindrocapsaceae, Oedogoniaceae, etc.
.266 Siphonocladales
Valoniaceae, Siphonocladaceae, Cladophoraceae, Dasycladaceae, Sphaeropleaceae, etc.
.267 Siphonales
Bryopsidaceae, Derbesiaceae, Caulerpaceae, Phyllosiphonaceae, Codiaceae, Vaucheriaceae
.271 Charophyta Stoneworts Characeae, etc.
.272 Phaeophyceae Brown algae
Ectocarpales
Ectocarpaceae, Mesogloeaceae, Corynophlaeaceae, Myrionemataceae, Elachistaceae, Spermatochnaceae, Desmarestiaceae, Sporochnaceae, Punctariaceae, Scytosiphonaceae, Dictyosiphonaceae, Asperococcaceae, Hydroclathraceae, Giffordiaceae, etc.
2 Sphacelariales Sphacelariaceae
3 Cutleriales Cutleriaceae, etc.
4 Dictyotales Dictyotaceae
46 Laminariales Laminariaceae, Chordaceae, etc.
6 Tilopteridales Tilopteridaceae, Choristocarpaceae
7 Fucales Durvilleaceae, Fucaceae, Notheiaceae, etc.

582.273 Rhodophyceae Red algae
.274 Bangiales Bangiaceae, Rhodochaetaceae, Compsopogonaceae
.275 Florideae
1 Nemalionales Gelidiales
12 Nemalionales Lemaneaceae, Helminthocladiaceae, Thoreaceae, Chatangiaceae
17 Gelidiales Gelidiaceae, Wrangeliaceae, etc.
2 Cryptonemiales
Gloiosiphoniaceae, Grateloupiaceae, Dumontiaceae, Rhizophyllidaceae, Squamariaceae, Corallinaceae, etc.
3 Gigartinales
Nemastomaceae, Plocamiaceae, Sphaerococcaceae, Rhodophyllidaceae, Gigartinaceae, Phyllophoraceae, etc.
4 Rhodymeniales Rhodymeniaceae
5 Ceramiales Ceramiaceae, Rhodomelaceae, Delesseriaceae
.28 Eumycetes True fungi Mycology
.281 Phycomycetes Algal fungi
1 Oomycetes
11 Monoblepharidales Monoblepharidineae
Blastocladiaceae, Monoblepharidaceae
12 Saprolegniales Saprolegniineae
Saprolegniaceae, Leptomitaceae
13 Ancylistales Ancylistineae
Lagenidiaceae, Ancylistaceae
14 Peronosporales Peronosporineae
Albuginaceae, Peronosporaceae, Pythiaceae
2 Zygomycetes
21 Mucorales Mucorineae Mold fungi
Mucoraceae, Choanephoraceae, Mortierellaceae, Chaetocladiaceae, Piptocephalidaceae
22 Entomophthorales Entomophthorineae Entomophthoraceae
23 Endogonales Endogonineae Endogonaceae
24 Basidiobolales Basidiobolineae Basidiobolaceae
25 Chytridiales Chytridiineae
Cladochytriaceae, Hypochytriaceae, Rhizidiaceae, Olpidiaceae, Synchytriaceae, Plasmodiophoraceae, etc.
.282 Ascomycetes
0 Spermophthorales Spermophthoraceae
1 Euascales
11 Perisporiineae Erysiphaceae, Paropsidaceae, Perisporiaceae, Microthyriaceae, etc.
12 Plectascineae
Gymnoascaceae, Aspergillaceae, Onygenaceae, Trichocomaceae, Elaphomycetaceae, Terfeziaceae, Myriangiaceae, etc.
13 Phacidiineae Stictidaceae, Tryblidiaceae, Phacidiaceae
14 Protocaliciineae Protocaliciaceae
15 Hysteriineae Hypodermataceae, Dichaenaceae, Ostropaceae, Hysteriaceae, etc.
16 Pezizineae
Pyronemataceae, Pezizaceae, Ascobolaceae, Helotiaceae, Mollisiaceae, Celidiaceae, Patellariaceae, Cenangiaceae, Cordieritidaceae, Cyttariaceae

582.28217 Helvellineae Rhizinaceae, Geoglossaceae, Helvellaceae
18 Tuberineae Truffles Eutuberaceae, Balsamiaceae, etc.
19 Pyrenomycetineae Pyrenomycetes
Hypocreaceae; Dothideaceae; Sphaeriaceales: Sordariaceae, Chaetomiaceae, Sphaeriaceae, Ceratostomataceae, Cucurbitariaceae, Coryneliaceae, Amphisphaeriaceae, Lophiostomataceae, Mycosphaerellaceae, Pleosporaceae, Massariaceae, Gnomoniaceae, Clypeosphaeriaceae, Valsaceae, Melanconidaceae, Diatrypaceae, Melogrammataceae, Xylariaceae, etc.
2 Hemiascomycetes
21 Protodiscineae Exoasceae Taphrinaceae, Ascocorticiaceae, etc.
22 Protoascineae Eremascaceae. Dipodascaceae, Endomycetaceae, etc.
23 Saccharomycetineae Saccharomycetaceae Yeasts
3 Laboulbeniales Peyritschiellaceae, Laboulbeniaceae, Ceratomycetaceae
.283 Protomycetes Protomycetineae Protomycetaceae
.284 Basidiomycetes Carposporeae
.285 Hemibasidii Hemibasidiomycetes
1 Ustilaginales Smut fungi Ustilaginaceae, Tilletiaceae
2 Uredinales Rust fungi
Pucciniaceae, Endophyllaceae, Schizosporaceae, Cronartiaceae, Coleosporiaceae, Melampsoraceae, etc.
.287 Eubasidii
1 Protobasidiomycetes
11 Auriculariineae Auriculariaceae, Pilacraceae
12 Tremellineae Sirobasidiaceae, Tremellaceae, Hyaloriaceae
2 Autobasidiomycetes Gasteromycetes
21 Dacryomycetineae Dacryomycetaceae
22 Exobasidiineae Exobasidiaceae, etc.
23 Hymenomycetineae Hymenomycetes
Tulasnellaceae, Corticiaceae, Thelephoraceae, Clavariaceae, Hydnaceae, Polyporaceae, Agaricaceae
24 Sclerodermatineae (Plectobasidiineae)
Podaxaceae, Sclerodermataceae, Calostomataceae, Sphaerobolaceae, Tulostomataceae
247 Protogastrineae 248 Protogastraceae
25 Hymenogastrineae Hymenogastraceae
26 Lycoperdineae Puffballs Lycoperdaceae, etc.
27 Nidulariineae Nidulariaceae
28 Phallineae Clathraceae, Phallaceae (stinkhorn fungi)
.288 Fungi imperfecti
1 Conidic
2 Sphaeropsidales Sphaerioideaceae, Nectrioideaceae, Leptostromataceae, Excipulaceae
3 Melanconiales Melanconiaceae
4 Hyphomycetes Mucedinaceae, Dematiaceae, Stilbaceae, Tuberculariaceae
5 Mycelic
.29 Lichenes Lichens
.290 Phycolichenes Geosiphonaceae

582.291 Ascolichenes
.292 Pyrenocarpeae Angiocarpae
Moriolaceae, Epigloeaceae, Verrucariaceae, Dermatocarpaceae, Pyrenothamniaceae, Pyrenulaceae, Phyllopyreniaceae, Trypetheliaceae, Paratheliaceae, Astrotheliaceae, Strigulaceae, Pyrenidiaceae, Mycoporaceae, etc.
.293 Gymnocarpeae Discolichenes Gelatinosae, Byssaceae
1 Coniocarpineae Caliciaceae, Cypheliaceae, Sphaerophoraceae
2 Graphidineae
Arthoniaceae, Graphidaceae, Chiodectonaceae, Dirinaceae, Roccellaceae
3 Cyclocarpineae
Lecanactidaceae, Pilocarpaceae, Chrysotrichaceae, Thelotremataceae, Diploschistaceae, Ectolechiaceae, Gyalectaceae, Coenogoniaceae, Lecideaceae, Phyllopsoraceae, Cladoniaceae, Gyrophoraceae, Acarosporaceae, Ephebaceae, Pyrenopsidaceae, Lichinaceae, Collemataceae, Heppiaceae, Pannariaceae, Stictaceae, Peltigeraceae, Pertusariaceae, Lecanoraceae, Parmeliaceae, Usneaceae, Caloplacaceae, Theloschistaceae, Buelliaceae, Physciaceae, etc.
.296 Basidiolichenes Hymenolichenes, etc.

582.31 Archegoniatae Embryophyta asiphonogama

.32 Bryophyta (Muscineae) Mosses and liverworts
.33 Hepaticae Liverworts
.331 Marchantiales
Marchantiaceae: Corsinioideae, Targionioideae, Marchantioideae; Ricciaceae
.332 Anthocerotales Anthocerotaceae
.333 Jungermanniales
Jungermanniaceae anacrogynae: Sphaerocarpoideae, Rielloideae, Metzgerioideae, Leptothecoideae, Fossombronioideae, Haplomitrioideae; Jungermanniaceae acrogynae: Epigoniantheae, Trigonantheae, Ptilidioideae, Scapanioideae, Stephaninoideae, Pleurozioideae, Bellincinioideae, Jubuloideae
.34 Musci Mosses
.341 Sphagnales Sphagnaceae Bog mosses (large)
.342 Andreaeales Andreaeaceae
.343 Bryales
.344 Eubryinales
1 Fissidentales Fissidentaceae
2 Dicranales
Archidiaceae, Ditrichaceae, Bryoxiphiaceae, Seligeraceae, Dicranaceae, Dicnemonaceae, Pleurophascaceae, Leucobryaceae, etc.
3 Pottiales Calymperaceae, Encalyptaceae, Pottiaceae, etc.
4 Grimmiales Grimmiaceae
5 Funariales
Gigaspermaceae, Disceliaceae, Ephemeraceae, Funariaceae, Oedipodiaceae, Splachnaceae
6 Schistostegales Schistostegaceae
7 Tetraphidales Georgiaceae

582.3448 Eubryales
Bryaceae: Orthodontioideae, Bryoideae, Mielichhoferioideae; Leptostomaceae, Mniaceae, Drepanophyllaceae, Eustichiaceae, Sorapillaceae, Mitteniaceae, Calomniaceae, Rhizogoniaceae, Hypnodendraceae, Aulacomniaceae, Meeseaceae, Catoscopiaceae, Bartramiaceae, Spiridentaceae, Timmiaceae, etc.
9 Isobryales
Erpodiaceae, Ptychomitriaceae, Orthotrichaceae, Helicophyllaceae, Rhacopilaceae, Fontinalaceae, Climaciaceae, Hedwigiaceae, Cryphaceaceae, Leucodontaceae, Cyrtopodaceae, Prionodontaceae, Ptychomniaceae, Myuriaceae, Lepyrodontaceae, Rutenbergiaceae, Trachypodaceae, Pterobryaceae, Meteoriaceae, Phyllogoniaceae, Neckeraceae, Lembophyllaceae, Echinodiaceae
94 Hookeriales Nemataceae
95 Pilotrichaceae, Hookeriaceae, Hypopterygiaceae
.3451 Hypnobryales
Fabroniaceae, Leskeaceae, Thuidiaceae, Amblystegiaceae, Brachytheciaceae, Entodontaceae, Plagiotheciaceae, Sematophyllaceae, Hypnaceae, Rhytidiaceae, Hylocomiaceae, etc.
.346 Buxbaumiinales
1 Buxbaumiales Buxbaumiaceae
2 Diphysciales Diphysiaceae
.347 Polytrichinales
1 Polytrichales Polytrichaceae
2 Dawsoniales Dawsoniaceae
.35 Pteridophyta Ferns Fern-like spore plants
.352 Psilophytinae Psilophytales
Rhyniaceae, Psuedosporochnaceae, Asteroxylaceae
.37 Articulatae
.370 Protoarticulatales Hyeniaceae
.371 Sphenophyllales Sphenophyllaceae
.372 Cheirostrobales Cheirostrobaceae
.373 Pseudoborniales Pseudoborniaceae
.374 Equisetales Horsetails
2 Euequisetales Equisetaceae True horsetails
5 Calamitales Calamariales Calamitaceae, etc.
.38 Lycopodiinae Lycopodiales
.381 Lycopodiales eligulatae Club mosses
Lycopodiaceae (true club mosses), Cyclostigmaceae
.382 Selaginellales Lycopodiales ligulatae
2 Selaginellineae Selaginellaceae
3 Lepidophytineae
4 Lepidodendraceae, 5 Ulodendraceae, 6 Bothrodendraceae, 8 Sigillariaceae, 9 Pleuromeiaceae
.391 Psilotinae Psilotales Psilotaceae
.392 Isoetinae Isoetales Isoetaceae, quillworts
.394 Filicinae Filicales
Fossil ferns of uncertain relationship: Tieteaceae, Knorripteridaceae, Rhizomopteridaceae, Inversicatenales, etc.
2 Eusporangiatae
4 Ophioglossales Ophioglossaceae, adders' tongue ferns
6 Marattiales Marattiaceae Psaronieae

582.3947 Leptosporangiatae
72 Eufilicales Eufilicineae True ferns
Osmundaceae, Schizacaceae, Matoniaceae, Gleicheniaceae
73 Hymenophyllaceae, Loxsomaceae, Cyatheaceae (tree ferns), Dipteridaceae
74 Polypodiaceae, Parkeriaceae, etc.
75 Hydropteridales Hydropteridineae Marsiliaceae, Salviniaceae

582.4 Embryophyta siphonogama Phanerogamia Spermatophyta Seed plants

.42 Gymnospermae Naked seed plants The first seed plants
.43 Cycadofilicales Pteridospermae Fern-like seed plants
Lyginodendraceae, Medullosaceae, Cladoxylaceae, Cycadoxylaceae, Protopityaceae, etc. Fossil plants having characteristics common to Cycadofilicales and Filicales: Archaeopterides, Sphenopterides, Pecopterides, Alethopterides, Callipterides, Odontopterides, Neuropterides, Taeniopterides, Glossopterides, Megalopterides, etc.
.44 Cycadales Cycadaceae, etc.
.45 Bennettitales Bennettitaceae, Nilssoniaceae, Caytoniaceae
.46 Ginkgoales Ginkgoaceae, maidenhair trees, etc.
.465 Cordaitales Cordaitaceae, Pityaceae, etc.
.47 Coniferae
Taxaceae (yews); Podocarpaceae: Pherosphaeroideae, Podocarpoideae, Phyllocladoideae; Araucariaceae; Cephalotaxaceae; Pinaceae (pines, firs, etc.): Abietoideae, Pinoideae, etc.; Taxodiaceae (Swamp cypresses, etc.): Sciadopityoideae, Taxodioideae; Cupressaceae (Cypresses, etc.): Thujoideae, Cupressoideae, Juniperoideae (junipers, etc.)
.49 Gnetales Ephedraceae, Welwitschiaceae, Gnetaceae, etc.
.5 Angiospermae Covered seed plants
.52 Monocotyledoneae Monocotyledones
.522 Pandanales
1 Typhaceae Bulrushes
2 Pandanaceae Screw pines
3 Sparganiaceae
.53 Helobiae Helobieae Fluviales Apocarpeae, etc.
.531 Potamogetonineae
.532 Potamogetonaceae, .533 Naiadaceae, .534 Aponogetonaceae, .535 Scheuchzeriaceae, Juncaginaceae
.536 Alismatineae Alismataceae
.537 Butomineae
2 Butomaceae, .539 Hydrocharitaceae (Frog's bit): Stratiotoideae, Thalassioideae, Vallisnerioideae, Halophiloideae
.541 Triuridales Triuridaceae
.542 Glumiflorae
1 Gramineae Grasses
2 Cyperaceae Sedges
3 Caricoideae, 4 Scirpoideae
.545 Principes Palmae Palms
Coryphoideae, Borassoideae, Lepidocaryoideae, Ceroxyloideae, Phytelephantoideae, Nipoideae

582.546–.547 Nudiflorae

582.546 Synanthae Cyclanthaceae
.547 Spathiflorae Spadiciflorae
1 Araceae Arums
Pothoideae, Monsteroideae, Calloideae, Lasioideae, Philodendroideae, Colocasioideae, Aroideae, Pistioideae
2 Lemnaceae Duckweeds Lemnoideae, Wolffioideae
.55–.56 Farinosae Coronarieae
.551 Flagellariineae Flagellariaceae
.553 Enantioblastae
.554 Restionaceae, .555 Centrolepidaceae, .556 Mayacaceae, .557 Xyridaceae, .558 Eriocaulaceae: Eriocauloideae, Paepalanthoideae
.561 Bromeliineae
.562 Thurniaceae, .563 Rapateaceae, .564 Bromeliaceae, pineapples
.565 Commelinineae Commelinaceae Spiderworts
.566 Pontederiineae
.567 Pontederiaceae, .568 Cyanastraceae
.569 Philydrineae Philydraceae

582.57–.58 Epigynae

.57 Liliiflorae Liliales
.571 Juncineae Juncaceae Rushes
.572 Liliineae
1 Stemonaceae Roxburghiaceae
2 Liliaceae
Melanthioideae, Herrerioideae, Asphodeloideae, Allioideae, Lilioideae, Scilloideae, Dracaenoideae, Asparagoideae, Ophiopogonoideae, Aletroideae, Luzuriagoideae, Smilacoideae, etc.
3 Haemodoraceae
4 Amaryllidaceae Narcissi
Amaryllidoideae, Agavoideae, Hypoxidoideae, Campynematoideae
5 Valloziaceae 6 Taccaceae
7 Dioscoreaceae Yams
.579 Iridineae Iridaceae Irises
.58 Scitamineae Arillatae Musales
Musaceae (bananas): Strelitzioideae, Musoideae, Lowioideae; Zingiberaceae (ginger): Zingiberoideae, Costoideae; Cannaceae; Marantaceae (arrowroot)
.59 Microspermae Orchidales
.592 Burmanniineae Burmanniaceae
.594 Gynandrae Orchidaceae (orchids): Pleonandrae (Diandrae), Monandrae
.599 Anonomaliae Other monocotyledones
.61 Dicotyledoneae Dicotyledones
.62–.69 Archichlamydeae Choripetalae Apetalae Polypetalae, etc.

582.62–.63 Unisexuales

582.621 Verticillatae Casuarinaceae
.622 Piperales Micrembryeae
Saururaceae, Piperaceae (peppers), Chloranthaceae
6 Hydrostachyales Hydrostachyaceae
.623 Salicales Salicaceae Willows
.624 Garryales Garryaceae
.625 Myricales Myricaceae
.626 Balanopsidales Balanopsidaceae
.627 Leitneriales Leitneriaceae
.628 Juglandales Juglandaceae Walnuts
.629 Batidales Batidaceae
.631 Julianiales Julianiaceae
.632 Fagales Cupuliferae
1 Betulaceae Birches, etc.
2 Fagaceae Beeches, oaks
.635 Urticales
Ulmaceae (elms): Ulmoideae, Celtidoideae, Barbeyoideae; Rhoipteleaceae; Moraceae (mulberries): Moroideae, Artocarpoideae, Conocephaloideae, Cannaboideae (hemp); Urticaceae (nettles), etc.
.637 Podostemonales
Multiovulatae aquaticae, Podostemonineae. Podostemonaceae
.639 Proteales Proteaceae Persoonioidea, Grevilleoideae
.64 Santalales Achlamydosporeae
.641 Santalineae
2 Olacaceae; Dysolacoideae, Olacoideae, Schoepfioideae; 3 Opiliaceae; 4 Oktoknemaceae, Octoknemataceae; 5 Grubbiaceae; 6 Santalaceae, Sandalwood
.642 Myzodendraceae
.65 Aristolochiales Multiovulatae terrestres, Aristolochiaceae
.651 [sic] Loranthineae
Loranthaceae (mistletoe): Loranthoideae, Viscoideae; Rafflesiaceae, Cytinaceae; Hydnoraceae
.653 Balanophorales Balanophorineae Balanophoraceae
Mystropetaloideae, Dactylanthoideae, Sarcophytoideae, Lophophytoideae, Helosidoideae, Balanophoroideae
.657 Polygonales Polygonaceae Buckwheat
Eriogonoideae, Polygonoideae, Coccoloboideae
.66 Centrospermae Curvembryeae, etc.
.661 Chenopodiineae
.662 Chenopodiaceae Goosefoot
.663 Amarantaceae Foxtail Amarantoideae, Gomphrenoideae
.664 Phytolaccineae
1 Nyctaginaceae; 3 Phytolaccaceae: Phytolaccoideae, Stegnospermoideae; 5 Gyrostemonaceae; 7 Achatocarpaceae; 8 Aizoaceae: Ficoideae, etc.
.665 Portulacineae
.666 Portulacaceae Purslanes
Portulacoideae, Montioideae
.667 Basellaceae .668 Dysphaniaceae
.669 Caryophyllineae Caryophyllaceae Carnations
Paronychioidea, Alsinoideae, Silenoideae, etc.

582.67 Ranales
.671 Nymphaeineae
1 Nymphaeaceae Waterlilies
Nelumbonoideae, Cabomboideae, Nymphaeoideae
2 Ceratophyllaceae Hornworts
.672 Trochodendrineae Trochodendraceae, Cercidiphyllaceae (Judas tree)
.675 Ranunculineae
1 Ranunculaceae, etc. Crowfoot
2 Lardizabalaceae, etc.
3 Berberidaceae Barberry Podophylloideae, Berberidoideae
4 Menispermaceae Moonseed
.677 Magnoliineae
Himantandraceae, Lactoridaceae, Eupomatiaceae, Gomortegaceae, etc.
1 Magnoliaceae, etc. 7 Myristicaceae Nutmeg
3 Calycanthaceae 9 Monimiaceae
5 Anonaceae Monimioideae, Atherospermoideae
.678 Lauraceae (laurels) Hernandiaceae
Perseoideae (camphor tree), Lauroideae, etc.
.68 Rhoeadales
.681 Rhoeadineae
.682 Papaveraceae Poppies
Hypecooideae, Papaveroideae, Fumarioideae
.683 Capparidineae
1 Capparidaceae
Dipterygioideae, Capparidoideae, Koeberlinioideae, Roydsioideae, Emblingioideae, Cleomoideae
2 Cruciferae 3 Tovariaceae
.684 Resedineae Resedaceae Mignonet
.685 Moringineae Moringaceae Ben nut
.686 Bretschneiderineae Bretschneideraceae
.69 Sarraceniales
.691 Sarraceniaceae
.692 Nepenthaceae Pitcherplants
.693 Droseraceae Sundews
.71 Rosales
.714 Saxifragineae
.715 Crassulaceae (stonecrops, houseleeks, etc.) .716 Cephalotaceae
.717 Saxifragaceae
Penthoroideae, Saxifragoideae, Hydrangeoideae, Pterostemonoideae, Escallonioideae, Ribesioideae, Baueroideae, etc.
.718 Pittosporaceae, .719 Byblidaceae, .721 Brunelliaceae, .722 Cunoniaceae, .723 Myrothamnaceae, .724 Bruniaceae
.725 Hamamelidaceae Witch hazel
Disanthoideae, Hamamelidoideae, Rhodoleioideae, Bucklandioideae, Liquidambaroideae
.726 Roridulaceae .727 Eucommiaceae

582.731 Rosineae
.732 Platanaceae (plane tree) .733 Crossosomataceae
.734 Rosaceae Roses
Spiraeoideae, Pomoideae (apples), Rosoideae, Neuradoideae, Prunoideae (plums), Chrysobalanoideae, etc.
.735 Connaraceae
.736 Leguminosae
.737 Mimosoideae, .738 Caesalpinioideae, etc., .739 Papilionatae, etc. (peas, beans)
.74 Pandales Pandaceae
.75 Geraniales
.751 Geraniineae
1 Oxalidaceae (wood sorrel), 2 Geraniaceae (geranium, cranesbill, storksbill), 3 Tropaeolaceae (nasturtiums), 4 Linaceae (flax): Linoideae, Ctenolophonoideae, Ixonanthoideae, Humirioideae (Humiriaceae), 6 Erythroxylaceae (coca), 7 Zygophyllaceae: Peganoideae, Chitonioideae, Tetradiclidoideae, Augeoideae, Zygophylloideae, Nitrarioideae, Balanitoideae; 8 Cneoraceae, 9 Rutaceae (rue): Rutoideae, Dictyolomoideae, Flindersioideae, Spathelioideae, Toddalioideae, Aurantioideae, Rhabdodendroideae
.7521 Simarubaceae Surianoideae, Simaruboideae, Picramnioideae, Alvaradoideae
2 Burseraceae Balsam tree, myrrh
3 Meliaceae Cedreloideae, Swietenioideae, Melioideae
4 Akaniaceae
.754 Malpighiineae
1 Malpighiaceae, 2 Trigoniaceae, 3 Vochysiaceae
.755 Polygalineae Polygalinae
1 Tremandraceae, 2 Polygalaceae (milkworts)
.756 Dichapetalineae Dichapetalaceae, Chailletiaceae
.757 Tricoccae
Euphorbiaceae (spurge): Phyllanthoideae, Crotonoideae, Porantheroideae, Ricinocarpoideae; Daphniphyllaceae
.759 Callitrichineae Callitrichaceae, water starworts
.76–.77 Sapindales Celastrales
.761 Buxineae Buxaceae Box
.762 Empetrineae Empetraceae Crowberry
.763 Coriariineae Coriariaceae
.764 Limnanthineae Limnanthaceae
.765 Anacardiineae Anacardiaceae Sumac, mango
.766 Celastrineae
1 Cyrillaceae, 2 Pentaphylacaceae, 3 Corynocarpaceae, 4 Aquifoliaceae, Ilicoideae, Ilicineae, etc. (holly); 5 Celastraceae (spindle tree), 6 Hippocrateaceae, 7 Salvadoraceae, 8 Stackhousiaceae, 9 Staphyleaceae
.771 Icacinineae Icacinaceae
.772 Sapindineae
1 Aextoxicaceae, 2 Aceraceae (maple), 3 Hippocastanaceae (horse chestnut, etc.), 4 Sapindaceae (soapberry tree)
.773 Sabiineae Sabiaceae
.774 Melianthineae Melianthaceae, etc.
.775 Didiereineae Didiereaceae
.776 Balsaminineae Balsaminaceae Balsam weed

582.78 Rhamnales
.782 Rhamnaceae Buckthorn
.783 Vitaceae Ampelidaceae Vines, grapevine
Vitoideae, Leeoideae
.79 Malvales
.791 Elaeocarpineae Elaeocarpaceae
.792 Chlaenineae Chlaenaceae, etc.
.793 Malvineae
.794 Gonystilaceae, .795 Tiliaceae, Linden (limes); .796 Malvaceae, Mallows, etc.; .797 Bombacaceae, Cotton tree; .798 Sterculiaceae
.799 Scytopetalineae Scytopetalaceae
.81 Parietales Cistales
.812 Theineae Guttiferales
.813 Dilleniaceae, .814 Actinidiaceae, etc.. .815 Eucryphiaceae, .816 Medusagynaceae, .817 Ochnaceae, .818 Strasburgeriaceae, .819 Caryocaraceae (butternut, etc.), .821 Marcgraviaceae, .822 Quiinaceae, .823 Theaceae, Camelliaceae, Ternstroemiaceae (tea); .824 Guttiferae, etc.: Kielmeyeroideae, Hypericoideae, (Hypericineae, etc.), Calophylloidea, Clusioideae (gamboge, mangosteen), Moronoboideae; .825 Dipterocarpaceae: Dipterocarpoideae, Monotoideae
.831 Tamaricineae
2 Elatinaceae (waterworts), 4 Frankeniaceae, 6 Tamaricaceae (tamarisk)
.835 Cistineae
2 Cistaceae (rock rose), 4 Bixaceae (annatto)
.839 Cochlospermineae Cochlospermaceae
.841 Lacistemineae Lacistemaceae
.842 Flacourtiineae Passiflorales
1 Canellaceae, Winteranaceae, 2 Violaceae (violets), 3 Flacourtiaceae, 4 Stachyuraceae, 5 Turneraceae, 6 Malesherbiaceae, 7 Passifloraceae (passion flower), 8 Achariaceae
.843 Papayineae Caricaceae Papaw
.844 Loasineae Loasaceae, etc.
.845 Datiscineae Datiscaceae
.846 Begoniineae Begoniaceae
.847 Ancistrocladineae Ancistrocladaceae
.85 Opuntiales Cactales
Cactaceae (cactuses): Malacospermae, Sclerospermae
.86 Myrtiflorae Myrtales
.861 Thymelaeineae
.862 Geissolomataceae. .863 Penaeaceae, .864 Oliniaceae, .865 Thymelaeaceae (mezereon): Gonystyloideae, Aquilarioideae, Gilgiodaphnoideae, Thymelaeoideae; .866 Elaeagnaceae (oleaster)

582.871 Myrtineae
.872 Lythraceae (loosestrife), .873 Heteropyxidaceae, .874 Sonneratiaceae, .875 Crypteroniaceae, .876 Punicaceae (pomegranate), .877 Lecythidaceae (monkeypot trec, etc.): Foetidioideae, Planchonioideae, Napoleonoideac, Lecythidoideae; .878 Rhizophoraceae (mangrovcs): Rhizophoroideae, Anisophylleoideae; .879 Nyssaceae: Nyssoideae, Davidioideae; .881 Alangiaceae, .882 Combretaceae, .883 Myrtaceae (myrtles): Myrtoideae, Leptospermoideae; .884 Melastomataceae, Melastomaceae: Melastomatoideae, Astronioideae, Memecyloideae; .885 Hydrocaryaceae (horn nut, etc.), .886 Oenotheraceae, Onagraceae (evening primrose), .887 Halorrhagaceae: Halorrhagoideae, Gunneroideae
.888 Hippuridineae Hippuridaceae (mare's tail), Thelygonacae, etc.
.889 Cynomoriineae Cynomoriaceae
.89 Umbelliflorae
.892 Araliaceae (ivy, etc.), .893 Umbelliferae: Hydrocotyloideae, Saniculoideae, Apioideae, etc.; .894 Cornaceae (dogwood): Mastixioideae, Curtisioideae, Cornoideae
.9 Metachlamydeae Sympetalae Gamopetalae, etc.
.911 Diapensiales Diapensiaceae
.912 Ericales Heaths
1 Ericineae
2 Clethraceae, 3 Pirolaceae, Pyrolaceae (wintergreen): Pyroloideae, Monotropoideae (Monotropeae, etc.); 4 Ericaceae (heather, heath family): Rhododendroideae, Arbutoideae, Vaccinioideae, Ericoideae
7 Epacridineae Epacridaceae Australian heaths, etc.
.918 Primulales
1 Theophrastaceae, 2 Myrsinaceae: Maesoideae, Myrsinoideac; 3 Primulaceae (primroses)
.919 Plumbaginales Plumbaginaceae Plumbagineae, leadwort, etc.
.92 Ebenales
.921 Sapotineae
.922 Sapotaceae, .923 Hoplestigmataceae
.924 Diospyrineae
.925 Ebenaceae (ebony), .926 Diclidantheraceae, .927 Symplocaceae, .928 Styracaceae, .929 Lissocarpaceae
.93 Contortae
.931 Oleineae Oleaceae Olive, ash, etc.
Oleoideae, Jasminoideae
.933 Gentianineae
.934 Desfontaineaceae, .935 Loganiaceae (nux vomica): Loganioideae, Buddleioideae; .936 Gentianaceae (gentian): Gentianoideae, Menyanthoideae; .937 Apocynaceae: Plumieroideae, Echitoideae; .938 Asclepiadaceae (silkweed, etc.): Periplocoideae, Cynanchoideae

582.94 Tubiflorae Polemoniales
.941 Convolvulineae
.942 Convolvulaceae (bindweed, etc.): Convolvuloideae, Cuscutoideae; .943 Polemoniaceae (Jacob's ladder, phlox, etc.): Cobaeoideae, Polemonioideae; .944 Fouquieraceae
.947 Lennoineae Lennoaceae
.948 Boraginineae Boragineae Borraginineae, etc.
1 Hydrophyllaceae, 2 Boraginaceae (borage, forget-me-not): Cordioideae, Ehretioideae, Heliotropioideae, Boraginoideae, Wellstedioideae
.949 Verbenineae Lamiales
1 Verbenaceae (vervain), 2 Labiatae (mint, thime, sage, deadnettle, etc.): Ajugoideae, Prostantheroideae, Prasioideae, Scutellarioideae, Lavanduloideae, Stachyoideae, Ocimoideae, Catopherioideae
.951 Solanineae Personales, etc.
2 Nolanaceae, 4 Solanaceae (deadly nightshade, potato), 6 Scrophulariaceae (figwort, etc.): Pseudosolanoideae, Antirrhinoideae, Rhinanthoideae, etc.; 8 Bignoniaceae (calabash, etc.)
.9522 Pedaliaceae (sesame, etc.), 4 Martyniaceae, 6 Orobanchaceae (broomrape), 8 Gesneriaceae, Gesneraceae: Cyrtandroideae, Gesnerioideae
.9532 Columelliaceae, 4 Lentibulariaceae (butterwort, etc.), 6 Globulariaceae (globe daisy)
.955 Acanthineae Acanthaceae
Nelsonioideae, Mendoncioideae, Thunbergioideae, Acanthoideae
.956 Myoporineae Myoporaceae
.957 Phrymineae Phrymaceae
.96 Plantaginales Plantaginaceae Plantains
.97 Rubiales
.972 Rubiaceae (madder): Cinchonoideae, Coffeoideae; .973 Caprifoliaceae (honeysuckle), .974 Adoxaceae (moschatel), .975 Valerianaceae, .977 Dipsacaceae, Dipsaceae (teazels)
.98 Cucurbitales Cucurbitaceae Gourds
.99 Campanulatae
.992 Campanulaceae (harebells, etc.): Campanuloideae, Cyphioideae, Lobelioideae; .994 Goodeniaceae, etc., .995 Brunoniaceae, .996 Stylidiaceae, Candolleaceae: Donatioideae, Stylidioideae; .997 Calyceraceae, Calysereae; .998 Compositae (Asterales): Tubuliflorae, Liguliflorae, etc.
.999 Other dicotyledones Anomali

Index

CD in this Index refers to 'Universal Decimal Classification', English ed., 1939

	CD	DC
Abietoideae	582.47	585.213
Acacia	582.737	583.321
Acanthaceae	582.955	583.86
Acanthus	582.955	583.86
Acarosporaceae	582.2933	589.171
Aceraceae	582.7722	583.284
Achariaceae	582.8428	583.458
Achatocarpaceae	582.6647	583.915
Achiote	582.8354	583.138
Achlamydosporeae	582.64	583.94
Achlorophyllaceae	582.23	589.9
Achnanthaceae	582.2615	589.6235
Achromatiaceae	582.231	589.952
Aconite	582.6751	583.111
Acrasiales	582.241	589.292
Acrocarpi	582.3441–8	588.214
Acrogens	582.2–.3	586
Acrogynous Jungermanniaceae	582.333	588.311
Acrospermaceae	582.28215	589.2333
Acrotylaceae	582.2753	589.414
Actinidiaceae	582.814	583.1661
Actinodiscaceae	582.2611	589.6224
Actinomycetaceae	582.231	589.953
Adder's-mouth	582.594	584.15
tongue	582.3944	587.331
Adinida	582.253	589.9733
Adiniferidea	582.253	589.9733
Adinina	582.253	589.9733
Adoxaceae	582.974	583.513
Aecidiaceae	582.2852	589.225
Aerophites lichens	582.29	589.1
orchids	582.594	584.15
Aesculaceae	582.7723	583.285
Aextoxicaceae	582.7721	583.283
Agaricaceae	582.28723	589.222
Agavoideae	582.5722	584.25
Agrimony	582.734	583.37
Agrostideae	582.5421	584.933
Ailanthus	582.7521	583.241
Air plants lichens	582.29	589.1
orchids	582.594	584.15
Aizoaceae	582.6648	583.475
Ajugoideae	582.9492	583.891
Akaniaceae	582.7524	583.252
Alangiaceae	582.881	583.416
Albuginaceae	582.28114	589.252
Alder	582.6321	583.978
white	582.9122	583.622
Alethopterides	582.43	585.977
Aletroideae	582.5722	584.32
Algae	582.26–.27	589.3–.6
Algal fungi	582.281	589.25
Alismatales	582.53	584.7
Alismatineae	582.536	584.721
Alligator pear	582.678	583.931
Allioideae	582.5722	584.32
Allseeds	582.669	583.1541
Allspice	582.883	583.42
Carolina	582.6773	583.113
Almond	582.734	583.37
Aloe, American	582.5724	584.25
Liliaceae	582.5722	584.32
Alsinaceae	582.669	583.152
Alsineae	582.669	583.1542
Alsinoideae	582.669	583.154
Alumroot	582.717	583.381
Alvaradoideae	582.7521	583.241
Amarantaceae	582.663	583.9131
Amaranth	582.663	583.9131
Amaryllidaceae	582.5724	584.25
Amaurochaetaceae	582.2453	589.2932
Amblystegiaceae	582.3451	588.21512
Ambrosiaceae	582.998	583.5546
American false hemp	582.845	583.469
Ammiaceae	582.893	583.481
Ampelidaceae	582.783	583.2792
Amphilothioideae	582.255	589.9735
Amphimonadaceae	582.2513	589.9746
Amphisphaeriaceae	582.28219	589.2351
Amsonia	582.937	583.721
Amygdalaceae	582.734	583.37
Anacardiineae	582.765	583.292
Anacrogynous Jungermanniaceae	582.333	588.312
Anauliaceae	582.2611	589.6222
Ancistrocladaceae	582.847	583.454
Ancylistineae	582.28113	589.262
Andreaeales	582.342	588.22
Andropogoneae	582.5421	584.925
Anemone	582.6751	583.111
Angiocarpae	582.292	589.16
Angiospermae	582.5	583–584
Anis	582.893	583.481
Anisophylleoideae	582.878	583.411
Annatto	582.8354	583.138
Annonaceae	582.6775	583.115
Anomali Dicotyledones	582.999	583.98
Monocotyledones	582.599	584.99
Anonaceae	582.6775	583.115
Anthemidaceae	582.998	583.5537
Anthocerotales	582.332	588.32
Anthophyta	582.4	583–584
Anthracnose	582.2883	589.243
Antirrhinoideae	582.9516	583.81
Apetalae	582.62–.69	583.9
Aphanochaetaceae	582.265	589.47425
Apiaceae	582.893	583.481
Apiales	582.89	583.48
Apioideae	582.893	583.481
Apocarpeae	582.53	584.7
Apocynaceae	582.937	583.721
Aponogetonaceae	582.534	584.743
Apples	582.734	583.37
Aquifoliaceae	582,7664	583.2781
Aquilarioideae	582.865	583.9331
Araceae	582.5471	584.65
Arales	582.547	584.64
Araliaceae	582.892	583.491
Araucariaceae	582.473	585.212
Araucarioxyleae	582.465	585.951
Arbor vitae	582.47	585.215
Arbutoideae	582.9124	583.62
Arbutus	582.9124	583.62
Archaeocalamites	582.3745	587.2122
Archaeopterides	582.43	585.981
Archegoniatae	582.31	587–588
Archichlamydeae	582.62–.69	583.1
Archidiaceae	582.3442	588.21473
Archimycetes	582.28125	589.285
Archiplastideae	582.232	589.8
Arctotidaceae	582.998	583.5534
Arcyriaceae	582.2458	589.2932
Arillatae	582.58	584.21
Aristolochiales	582.65	583.922
Arnica	582.998	583.5536

	CD	DC
Arnotto	582.8354	583.138
Aroideae	582.5471	584.65
Arrow-grass	582.535	584.744
Arrowhead	582.536	584.721
Arrowroot	582.58	584.211
Arrow-wood		
Caprifoliaceae	582.973	583.511
Indian Celastraceae	582.7665	583.272
Cornaceae	582.894	583.497
Rhamnaceae	582.782	583.2791
Rosaceae	582.734	583.37
Artemisia	582.998	583.5537
Arthoniaceae	582.2932	589.172
Arthrocladiaceae	582.2721	589.457
Artichoke	582.998	583.5533
Articulatae	582.37	587.2
Artillery plant	582.635	583.9621
Artocarpoideae	582.635	583.9622
Arum	582.5471	584.65
Asclepiadaceae	582.938	583.73
Ascobolaceae	582.28216	589.2332
Ascocorticiaceae	582.28221	589.237
Ascoideaceae	582.28222	589.2362
Ascolichenes	582.291	589.15
Ascomycetes	582.282	589.23
Ascosporeae	582.282	589.23
Ascus fungi	582.282	589.23
Ash	582.931	583.71
see also Mountain ash		
Asparagoideae	582.5722	584.322
Aspen	582.623	583.981
Aspergillales	582.28212	589.238
Asperococcaceae	582.2721	589.457
Asphodeloideae	582.5722	584.32
Aspidieae	582.39474	587.3127
Astasiaceae	582.2517	589.9742
Aster	582.998	583.5543
Asterales	582.998	583.53
Asteroxylaceae	582.352	587.45
Astronioideae	582.884	583.43
Astrotheliaceae	582.292	589.16
Athecatales	582.2531	589.9733
Atherospermoideae	582.6779	583.1147
Augeoideae	582.7517	583.221
Aulacomniaceae	582.3448	588.21412
Aurantioideae	582.7519	583.23
Auriculariineae	582.28711	589.2231
Autobasidiomycetes	582.2872	589.221
Autosporinae	582.2644	589.47522
Aveneae	582.5421	584.934
Axiflorae-		
apopetalae-polycarpellatae	582.67–.75	583.11–.255
gamopetalae-dicarpellatae	582.93–.96	583.7–.8
polycarpellatae	582.91–.92	583.6–.6864
Azalea	582.9124	583.62
Baccharis	582.998	583.5543
Bacillariaceae	582.2615	589.6233
Bacillariales	582.261	589.62
Bacillarioideae	582.261	589.62
Bacillariophyta	582.261	589.62
Bacteria	582.231	589.95
Bacteriology	582.231	589.95
Balanitoideae	582.7517	583.221
Balanophorineae	582.653	583.947
Balanopsidales	582.626	583.961
Balm Labiatae	582.9492	583.891
Balsam fig	582.824	583.163
tree Burseraceae	582.7522	583.247
weed	582.776	583.226
Balsameaceae	582.7522	583.247
Balsamiaceae	582.28218	589.231
Balsaminaceae	582.776	583.226
Bamboos	582.5421	584.938
Bambuseae	582.5421	584.938
Bananas	582.58	584.214
Bangiales	582.274	589.42
Banyan	582.635	583.9622
Barbados cherry	582.7541	583.214
Barberry	582.6753	583.117
Barbeyoideae	582.635	583.9626
Barley	582.5421	584.937
Bartramiaceae	582.3448	588.21412
Basellaceae	582.667	583.1562
Basidiales	582.284	589.21
Basidiobolineae	582.28124	589.284
Basidiolichenes	582.296	589.11
Basidiomycetes	582.284	589.21
Basidiosporeae	582.287	589.22
Bastard bullet tree	582.7514	583.213
hemp	582.845	583.469
Baswood	582.795	583.19
Batidales	582.629	583.916
Batis	582.629	583.916
Baueroideae	582.717	583.381
Bayberry	582.625	583.974
Bead tree	582.7523	583.251
Bean caper	582.7517	583.221
Beans	582.739	583.322
Beech	582.6322	583.977
fern	582.39474	587.3127
Beechdrops	582.9526	583.821
Beefwood	582.621	583.975
Beetle fungi	582.2823	589.232
Beggiatoaceae	582.231	589.952
Begonia	582.846	583.468
Begoniineae	582.846	583.468
Belladonna	582.9514	583.79
lilly	582.5724	584.25
Bellflower	582.992	583.59
Bellincinioideae	582.333	588.311
Bellwort	582.992	583.59
Ben nut	582.685	583.1222
Bennettitales	582.45	585.92
Berberidaceae	582.6753	583.117
Betel	582.622	583.9251
palm	582.545	584.5
Betulaceae	582.6321	583.978
Bicarpellatae	582.93–.96	583.7–.8
Bicoecaceae	582.2513	589.9746
Biddulphiaceae	582.2611	589.6222
Bignoniaceae	582.9518	583.84
Bindweed	582.942	583.78
Birch	582.6321	583.978
West Indian	582.7522	583.247
Bird's nest fungi	582.28727	589.2218
Birthwort	582.65	583.924
Bitternut	582.628	583.9731
Bittersweet Celastraceae	582.7665	583.272
Pyrolaceae	582.9123	583.631
Solanaceae	582.9514	583.79
Bitterwood	582.7521	583.241
Bixaceae	582.8354	583.138

	CD	DC
Black calabash	582.9518	583.84
dot fungi	582.2883	589.243
fungi	582.2882	589.242
gum	582.894	583.497
knot	582.28219	589.2353
mold	582.28121	589.281
mosses	582.342	588.22
rot	582.28219	589.2351
Blackberry	582.734	583.37
Bladder algae, large	582.266	589.4736
little	582.259	589.482
fern	582.39474	587.3127
Bladdernut	582.7669	583.277
Bladderwort	582.9534	583.825
Blastocladiaceae	582.28111	589.263
Blastodiniaceae	582.2547	589.973232
Blastosporaceae	582.265	589.47432
Blazing star	582.998	583.5544
Blights bacteria	582.231	589.95
fungi	582.28114	589.252
Bloodroot Papaveraceae	582.682	583.1221
Rosaceae	582.734	583.37
Bloodwort	582.5723	584.231
Blue grass	582.5421	584.936
Bluebells	582.992	583.59
Blueberry	582.9124	583.611
Bluebottle Carduaceae	582.998	583.5533
Blue-green algae	582.232	589.8
Blue-stem grasses	582.5421	584.925
Bluet	582.972	583.52
Bodonaceae	582.2513	589.9746
Boerhavia	582.6641	583.9153
Bog mosses	582.3451	588.21511
large	582.341	588.1
rush	582.571	584.45
Bombacaceae	582.797	583.173
Bonnemaisoniaceae	582.27517	589.416
Bonnet pepper	582.9514	583.79
Borage	582.9482	583.77
Boraginineae	582.948	583.77
Borassoideae	582.545	584.5
Borraginaceae	582.9482	583.77
Botany, systematic	582	582–589
taxonomic	582	582–589
Bothrodendraceae	582.3826	587.9113
Botrydiaceae	582.259	589.482
Botryococcaceae	582.259	589.4852
Botryopterideae	582.3942	587.335
Box	582.761	583.293
Brachytheciaceae	582.3451	588.21512
Brakes	582.39474	587.3127
Brand fungi	582.285	589.224
Brassicaceae	582.6832	583.123
Brazil nut	582.877	583.423
Breadroot	582.739	583.322
Brefeldiaceae	582.2453	589.2932
Bretschneideraceae	582.686	583.286
Bristle mosses	582.3445	588.21442
leafy	582.3448	588.21411
Bromeliineae	582.561	584.22
Brook mosses	582.3449	588.21533
Broomrape	582.9526	583.821
Brown algae	582.272	589.45
rot fungi	582.2883	589.243
Brunelliaceae	582.721	583.395
Bruniaceae	582.724	583.396
Brunoniaceae	582.995	583.581
Bryaceae	582.3448	588.21415
Bryales	582.343	588.21
Bryineae	582.3448	588.21415
Bryoideae	582.3448	588.21415
Bryology	582.34	588.2
Bryophyta	582.32	588
Bryopsidaceae	582.267	589.4727
Bryosiphiaceae	582.3442	588.21473
Buckbean	582.936	583.751
Buckeye	582.7723	583.285
Bucklandioideae	582.725	583.394
Buckthorn	582.782	583.2791
southern	582.922	583.6811
Buckwheat	582.657	583.917
Buddleioideae	582.935	583.74
Buelliaceae	582.2933	589.171
Bugseed tumbleweed	582.662	583.914
Bulrushes Cyperaceae	582.5424	584.841
Typhaceae	582.5221	584.613
Bunch flower	582.5722	584.321
Bunts fungi	582.2851	589.2272
Burdock	582.998	583.5533
Burmanniaceae	582.592	584.13
Burning bush Celastraceae	582.7665	583.272
Chenopodiaceae	582.662	583.914
Rutaceae	582.7519	583.23
Urticaceae	582.635	583.9621
Bur-reeds	582.5223	584.612
Burseraceae	582.7522	583.247
Butomineae	582.537	584.73
Butter-and-egs	582.9516	583.81
Buttercup Ranunculaceae	582.6751	583.111
Rosaceae	582.734	583.37
Butternut blight	582.2883	589.243
Caryocaraceae	582.819	583.1665
Juglandaceae	582.628	583.9731
Butterwort	582.9534	583.825
Button bush	582.972	583.52
tree Combretaceae	582.882	583.414
Platanaceae	582.732	583.971
weed Carduaceae	582.998	583.5533
Malvaceae	582.796	583.172
Rubiaceae	582.972	583.52
Buttonwood Combretaceae	582.882	583.414
Platanaceae	582.732	583.971
Rubiaceae	582.972	583.52
Buxaceae	582.761	583.293
Buxbaumiales	582.3461	588.2122
Buxbaumiinales	582.346	588.212
Buxineae	582.761	583.293
Buzzard's nose fungi	582.28728	589.2215
Byblidaceae	582.719	583.392
Byssaceae	582.293	589.19
Byssolomaceae	582.2933	589.171
Cabbage	582.6832	583.123
Cabombaceae	582.6711	583.118
Cabomboideae	582.6711	583.118
Cactaceae	582.85	583.471
Cactus	582.85	583.471
Caesalpinioideae	582.738	583.323
Calabash Bignoniaceae	582.9518	583.84
Cucurbitaceae	582.98	583.461
Calamariales	582.3745	587.212
Calamitales	582.3745	587.212
Calamites	582.37	587.2
old	582.3745	587.212
Calamophyta	582.37	587.2
Calamopityaceae	582.43	585.954
Calamus Araceae	582.5471	584.65
palm	582.545	584.5
Calendulaceae	582.998	583.5535
Caliciaceae	582.2931	589.173

	CD	DC
Callipterides	582.43	585.976
Callitrichaceae	582.759	583.253
Calloideae	582.5471	584.65
Calomniaceae	582.3448	588.21414
Calophylloideae	582.824	583.163
Caloplacaceae	582.2933	589.171
Calostomataceae	582.28724	589.2219
Caltrop	582.7517	583.221
Calycanthaceae	582.6773	583.113
Calyceraceae	582.997	583.546
Calyciflorae	**582.7**	**583.3–.497**
apopetalae	**582.7–.8**	**583.26–.497**
gamopetalae	**582.97–.99**	**583.51–.591**
Calycinae	582.545	584.4
Calymperaceae	582.3443	588.21463
Calysereae	582.997	583.546
Camelliaceae	582.823	583.166
Camomile	582.998	583.5537
Campanales	**582.99**	**583.57**
Campanulaceae	582.992	583.59
Campanulatae	**582.99**	**583.57**
Campanuloideae	582.992	583.59
Camphor Diptcrocarpaceae	582.285	583.167
Lauraceae	582.678	583.931
Campions	582.669	583.153
Camptotrichaceae	582.232	589.83
Campynematoideae	582.5722	584.25
Canary bird flower	582.7513	583.225
grasses	582.5421	584.932
Candlewood	582.944	583.762
Candollcaceae	582.996	583.571
Canellaceae	582.8421	583.137
Canna	582.58	584.212
Cannabinaceae	582.635	583.9623
Cannabis	582.635	583.9623
Cannaboideae	582.635	583.9623
Cannaceae	582.58	584.212
Capers	582.6831	583.131
Capparidales	**582.683**	**583.13**
Capparidineae	**582.683**	**583.13**
Capparidoideae	582.6831	583.131
Caprifoliaceae	582.973	583.511
Caraway	582.893	583.481
Cardinal flower	582.992	583.591
Carduaceae	582.998	583.5533
Caricaceae	582.843	583.462
Caricoideae	582.5423	584.841
Carnations	582.669	583.152
Carolina jessamin	582.935	583.74
Carpet weed	582.6648	583.475
Carpoascomycetes	**582.2821**	**589.233**
Carpomyceteae	**582.28**	**589.2**
Carposporeae algae	582.273	589.4
fungi	582.284	589.21
Carrot	582.893	583.481
Caryocaraceae	582.819	583.1665
Caryophyllineae	582.669	583.15
Cascara	582.782	583.2791
Cashew	582.765	583.292
Cassiaceae	582.738	583.323
Castor oil plants	582.757	583.951
Casuarinaceae	582.621	583.975
Catalpa	582.9518	583.84
Catascopiaceae	582.3448	588.21412
Catchflies	582.669	583.153
Catnip	582.9492	583.891
Catopherioideae	582.9492	583.891
Catoscopiaceae	582.3448	588.21412
Cat's-ear	582.998	583.552

	CD	DC
Cattails	582.5221	584.613
Caulerpaceae	582.267	589.4726
Caytoniaceae	582.45	585.921
Cedars	582.47	585.215–.216
Cedrelaceae	582.7523	583.251
Cedreloideae	582.7523	583.251
Celandine, greater	582.682	583.1221
lesser	582.6751	583.111
Celastraceae	582.7665	583.272
Celastrales	**582.766**	**583.27**
Celastrineae	**582.766**	**583.271**
Celery	582.893	583.481
Celidiaceae	582.28216	589.2332
Celtidoideae	582.635	583.9625
Ccnangiaceae	582.28216	589.2332
Centricae	582.2611	589.622
Centrolepidaceae	582.555	584.82
Centrospermae	**582.66**	**583.91**
Cephalotaceae	582.716	583.391
Cephalotaxaceae	582.47	585.222
Ceramiales	582.2755	589.412
Ceratiomyxaceae	582.2442	589.2931
Ceratomycetaceae	582.2823	589.232
Ceratophyllaceae	582.6712	583.1182
Ceratopteridaceae	582.39474	587.3126
Ceratostomataceae	582.28219	589.2351
Cercidiphyllaceae	582.672	583.1192
Cereals	582.5421	584.9
Ceroxyloideae	582.545	584.5
Chaetangiaceae	582.27512	589.416
Chaetocerotaceae	582.2611	589.6222
Chaetocladiaceae	582.28121	589.281
Chaetomiaceae	582.28219	589.2351
Chaetopeltidaceae	582.265	589.47426
Chaetophoraceae	582.265	589.47428
Chailletiaceae	582.756	583.255
Chain fern	582.38474	587.3127
Chamaesiphonaceae	582.232	589.84
Chapote	582.925	583.6851
Characeae	582.271	588.41
Charophyta	582.271	588.4
Checker berry	582.9124	583.62
Cheiranthodendraceae	582.798	583.18
Cheirostrobales	582.372	587.23
Chenopodiaceae	582.662	583.914
Chenopodiales	**582.66**	**583.913**
Chenopodiineae	**582.661**	**583.914**
Cherry	582.734	583.37
Chestnut	582.6322	583.977
see also distinctiv names		
Chickweed	582.669	583.1542
Indian	582.6648	583.475
Chicory	582.998	583.552
Chinkapin, Chinquapin	582.6322	583.977
Chiodectonaceae	582.2932	589.172
Chitonioideae	582.7517	583.221
Chittam wood	582.765	583.292
Chive	582.5722	584.32
Chlaenineae	582.792	583.168
Chlamydobacteriaceae	582.231	589.953
Chlamydomonaceae	582.2641	589.47534
Chlamydomonadales	582.2641	589.47534
Chloramoebales	582.2516	589.4854
Chloranthaceae	582.622	583.926
Chlorellaceae	582.2644	589.47522
Chlorideae	582.5421	584.935
Chlorobotrydaceae	582.259	589.484
Chlorococcaceae	582.2644	589.47523

	CD	DC
Chloroeoccales	582.2644	589.4752
Chlorodendrales	582.2641	589.47533
Chloromonadales	582.2516	589.9743
Chlorophyceae	582.263	589.47
Chlorophyllaceae	582.232	589.8
Chlorospermeae	582.263	589.47
Chlorosphaeraceae	582.2644	589.47523
Chlorotheciaceae	582.259	589.484
Choanephoraceae	582.28121	589.281
Chordaceae	582.27246	589.454
Chordariaceae	582.2721	589.457
Choripetalae	582.62–.69	583.1
Choristocarpaceae	582.2726	589.453
Chromulinaceae	582.2514	589.974555
Chroococcaceae	582.232	589.82
Chroolepidaceae	582.265	589.47427
Chrysanthemums	582.998	583.5537
Chrysobalanoideae	582.734	583.37
Chrysocapsales	582.2514	589.974552
Chrysomonadales	582.2514	589.97455
Chrysophyceae	582.2514	589.9745
Chrysosphaerales	582.2514	589.97454
Chrysotrichaceae	582.2933	589.171
Chrysotrichales	582.2514	589.97453
Chufa	582.5423	584.841
Chytridiineae	582.28125	589.285
Cichoriaceae	582.998	583.552
Cilioflagellatae	582.252	589.973
Cinchonoideae	582.972	583.52
Cineraria	582.998	583.5536
Cinnamon Lauraceae	582.678	583.931
wild Canellaceae	582.8421	583.137
Circaeasteraceae	582.6751	583.1173
Cistaceae	582.8352	583.134
Cistales	582.81	583.12
Cistineae	582.835	583.134
Cladochytriaceae	582.28125	589.285
Cladoniaceae	582.2933	589.171
Cladophoraceae	582.266	589.4733
Cladoxylaceae	582.43	585.962
Clathraceae	582.28728	589.2215
Clathroptychiaceae	582.2446	589.2932
Clavariaceae	582.28723	589.222
Clematis	582.6751	583.111
Cleomoideae	582.6831	583.131
Clethraceae	582.9122	583.622
Climaciaceae	582.3449	588.21533
Closteriaceae	582.2622	589.613
Clotbur	582.998	583.5546
Clove	582.883	583.42
Clover	582.739	583.322
Club mosses	582.38	587.9
common	582.381	587.922
higher	582.382	587.91
lower	582.381	587.92
true	582.381	587.922
rushes	582.5424	584.841
Clusiaceae	582.824	583.163
Clusioideae	582.824	583.163
Clypeosphaeriaceae	582.28219	589.2351
Cneoraceae	582.7518	583.242
Cobaeoideae	582.943	583.7611
Coca	582.7516	583.212
Cocain	582.7516	583.212
Coceaceae	582.231	589.953
Coccogonales	582.232	589.82
Coecolithophoraceae	582.2514	589.974552
Coecoloboideae	582.657	583.917

	CD	DC
Cocculus	582.6754	583.116
Cochlospermaceae	582.839	583.136
Coco	582.798	583.18
Codiaceae	582.267	589.4723
Coelastraceae	582.2644	589.47522
Coenobiales	582.2641	589.47534
Coenogoniaceae	582.2933	589.171
Coffee	582.972	583.52
Coffeoideae	582.972	583.52
Cohosh, blue Berberidaceae	582.6753	583.117
Ranunculaceae	582.6751	583.111
Cola	582.798	583.18
Coleochaetaceae	582.265	589.47424
Coleosporiaceae	582.2852	589.225
Collemataceae	582.2933	589.171
Collodermaceae	582.2453	589.2932
Colocasioideae	582.5471	584.65
Coltsfoot	582.998	583.5536
Columbine	582.6751	583.111
Columelliaceae	582.9532	583.829
Columniferae	582.79	583.17
Combretaceae	582.882	583.414
Commelinaceae	582.565	584.38
Compositae	582.998	583.55
Compsopogonaceae	582.274	589.42
Confervaceae	582.265	589.47434
Confervales	582.265	589.474
Conidic fungi imperfecti	582.2881	589.241
Coniferae	582.47	585.2
Coniferales	582.47	585.21
Coniocarpineae	582.2931	589.173
Conjugatae	582.262	589.61
Conjugate algae	582.261–.262	589.6
Connaraceae	582.735	583.311
Conocephaloideae	582.635	583.9622
Contortae	582.93	583.7
Convallariaceae	582.5722	584.322
Convolvulales	582.941	583.78
Convolvulineae	582.941	583.78
Convolvulus	582.942	583.78
Conyza	582.998	583.5543
Coral fungi	582.28723	589.222
root	582.594	584.15
Corallinaceae	582.2752	589.415
Cordaitales	582.465	585.5
Cordieritidaceae	582.28216	589.2332
Cordioideae	582.9482	583.77
Cordleaf	582.554	584.83
Coreopsis	582.998	583.5547
Coriariineae	582.763	583.297
Corkwood	582.627	583.972
Corn marigold	582.998	583.5537
Cornaceae	582.894	583.497
Cornel	582.894	583.497
Cornflower Carduaceae	582.998	583.5533
Cornoideae	582.894	583.497
Corolliflorae	582.9	583.5
Coronarieae	582.55–.56	584.3
Corsinioideae	582.331	588.333
Corticiaceae	582.28723	589.222
Corylaceae	582.6321	583.979
Coryneliaceae	582.28219	589.2351
Corynocarpaceae	582.7663	583.275
Corynophlaeaceae	582.2721	589.457
Coryphoideae	582.545	584.5
Coscinodiscaceae	582.2611	589.6224
Cosmariaceae	582.2622	589.613
Costoideae	582.58	584.213

	CD	DC
Cotton	582.796	583.172
grass	582.5424	584.841
tree	582.797	583.173
Cowhage cherry	582.7541	583.214
Fabaceae	582.739	583.322
Cowslip Primulaceae	582.9183	583.672
Ranunculaceae	582.6751	583.111
Cranberry scald	582.2882	589.242
tree	582.973	583.511
Vacciniaceae	582.9124	583.611
Cranesbil	582.7512	583.223
Craspedomonadaceae	582.2513	589.9746
Crassulaceae	582.715	583.39
Crataegus	582.734	583.37
Cress	582.6832	583.123
see also distinctive names		
Cribrariales	582.2444	589.2932
Cronartiaceae	582.2852	589.225
Crossomataceae	582.733	583.36
Crotonoideae	582.757	583.951
Crowberry	582.762	583.984
Crowfoot	582.6751	583.111
Cruciales	582.6832	583.123
Cruciferae	582.6832	583.123
Cryphaeaceae	582.3449	588.21532
Crypteroniaceae	582.875	583.444
Cryptococcales	582.2515	589.97442
Cryptogamia	**582.2–.3**	**586**
Cryptomonadales	582.2515	589.97444
Cryptonemiales	582.2752	589.415
Cryptophyceae	582.2515	589.9744
Cryptoraphideae	582.2611	589.622
Ctenolophonoideae	582.7514	583.211
Cucumber blight	582.28114	589.252
Cucurbitaceae	582.98	583.461
tree magnolia	582.6771	583.114
Oxalidaceae	582.7511	583.224
Cucurbitales	582.98	583.46
Cucurbitariaceae	582.28219	589.2351
Cunoniaceae	582.722	583.397
Cup fungi	582.28216	589.2332
little	582.28213	589.2335
Cupressaceae	582.47	585.214
Cupseed	582.6754	583.116
Cupuliferae	**582.632**	**583.976**
Curatella	582.813	583.112
Curtisioideae	582.894	583.497
Curvembryeae	**582.66**	**583.91**
Cuscutoideae	582.942	583.781
Cushion mosses	582.3442	588.21471
Custard apple	582.6775	583.115
Cutleriales	582.2723	589.455
Cyanastraceae	582.568	584.331
Cyanophyceae	582.232	589.8
Cyatheaceae	582.39473	587.3128
Cycadales	582.44	585.91
Cycadineae	582.44	585.91
Cycadofilicales	582.43	585.95
Cycadophyta	**582.43–.45**	**585.9**
Cycadoxylaceae	582.43	585.961
Cycas	582.44	585.911
Cyclamen	582.9183	583.672
Cyclanthaceae	582.546	584.62
Cyclocarpineae	582.2933	589.171
Cyclosporeae	582.2727	589.452
Cyclostigmaceae	582.381	587.921
Cylindrocapsaceae	582.265	589.47423
Cymbellaceae	582.2615	589.6234

	CD	DC
Cynanchoideae	582.938	583.73
Cynareae	582.998	583.5533
Cynocrambaceae	582.888	583.9152
Cynomoriineae	582.889	583.447
Cyperaceae	**582.5422**	**584.841**
Cypheliaceae	582.2931	589.173
Cyphioideae	582.992	583.59
Cypresses	582.47	585.214
bald	582.47	585.211
flowering	582.8316	583.158
mock	582.662	583.914
swamp	582.47	585.211
Cyrillaceae	582.7661	583.273
Cyrtandroideae	582.9528	583.83
Cyrtopodaceae	582.3449	588.21532
Cystodiniidae	582.255	589.9735
Cystoflagellata	582.255	589.9735
Cytinaceae	582.651	583.923
Cyttariaceae	582.28216	589.2332
Dacryomycetineae	582.28721	589.2214
Dactylanthoideae	582.653	583.947
Dahlia	582.998	583.5547
Daisy	582.998	583.5543
Dammar tree	582.825	583.167
Dandelion	582.998	583.552
Daphniphyllaceae	582.757	583.951
Dasycladaceae	582.266	589.4734
Datiscaceae	582.845	583.469
Davidioideae	582.879	583.415
Dawsoniales	582.3472	588.2112
Deadnettle	582.9492	583.891
Delesseriaceae	582.2755	589.412
Dematiaceae	582.2884	589.2411
Deniferina	**582.254**	**589.9732**
Derbesiaceae	582.267	589.4725
Dermatocarpaceae	582.292	589.16
Desfontaineaceae	582.934	583.741
Desmarestiaceae	582.2721	589.457
Desmidiales	582.2622	589.613
Desmids	582.2622	589.613–.614
Deuteromycetes	**582.288**	**589.24**
Devil's snuffbox	582.28726	589.2217
Dialypetalae	**582.62–.69**	**583.1**
Diandrae	582.594	584.15
Diapensiaceae	582.911	583.65
Diastomatales	582.2512	589.9747
Diatomaceae	582.2615	589.6236
Diatomeae	**582.261**	**589.62**
Diatrypaceae	582.28219	589.2351
Dicarpellatae	**582.93–.96**	**583.7–.8**
Dichaenaceae	582.28215	589.2333
Dichapetalineae	582.756	583.255
Dichtyochaceae	582.2581	589.9722
Dichtyochidae	**582.258**	**589.972**
Diclidantheraceae	582.926	583.6861
Dicnemonaceae	582.3442	588.21473
Dicotyledoneae	**582.61**	**583**
Dicranales	582.3442	588.2147
Dictyochaceae	582.2581	589.9722
Dictyolomoideae	582.7519	583.23
Dictyosiphonaceae	582.2721	589.457
Dictyosphaeriaceae	582.266	589.47422
Dictyosteliaceae	582.241	589.292
Dictyotales	582.2724	589.451
Didiereineae	582.775	583.288
Didymiaceae	582.2455	589.2932
Dilleniaceae	582.813	583.112
Diniferidea	**582.254**	**589.9732**

	CD	DC
Dinoflagellatae	582.252	589.973
Doubtful	582.255	589.9735
Dinophyceae	582.252	589.973
Dioscoreaceae	582.5727	584.27
Diospyrineae	582.924	583.685
Diphysciales	582.3462	588.2121
Diploschistaceae	582.2933	589.171
Dipodascaceae	582.28222	589.2362
Dipsaceae	582.977	583.541
Dipteridaceae	582.39473	587.3124
Dipterocarpaceae	582.825	583.167
Dipterygioideae	582.6831	583.131
Dirinaceae	582.2932	589.172
Disanthoideae	582.725	583.394
Discaceae	582.2611	589.6224
Disceliaceae	582.3445	588.21442
Disciflorae	582.7–.8	583.2
Discoideae	582.2611	589.6224
Discolichenes	582.293	589.171
Discomycetes	582.2821	589.233
Disk lichens	582.2933	589.171
Distomatales	582.2512	589.9747
Ditrichaceae	582.3442	588.21473
Dock	582.657	583.917
Dodder	582.942	583.781
Dog cabbage	582.888	583.9152
fennel	582.998	583.5544
Dogbane	582.937	583.721
Dog's-tooth violet	582.5722	584.32
Dogwood	582.894	583.497
Donatioideae	582.996	583.571
Dothideaceae	582.28219	589.2353
Downy mildews	582.28114	589.252
Dracaenoideae	582.5722	584.32
Drepanophyllaceae	582.3448	588.21414
Droseraceae	582.693	583.393
Drupaceae	582.734	583.37
Drypetes	582.757	583.951
Duckweed	582.5472	584.68
Dumontiaceae	582.2752	589.415
Durvilleaceae	582.2727	589.452
Dwarf club mosses	582.382	587.912
Dysolaceoideae	582.6412	583.26
Dysphaniaceae	582.668	583.156
Ear fungi	582.28711	589.2231
Earthnut Apiaceae	582.893	583.481
Cyperaceae	582.5423	584.841
peanuts	582.739	583.322
truffles	582.28218	589.231
Earthstar fungi	582.28726	589.2217
Earth-tongues	582.28217	589.2331
Ebenaceae	582.925	583.6851
Ebenales	582.92	583.68
Ebony	582.925	583.6851
Ebriaceae	582.2582	589.9723
Echinodiaceae	582.3449	588.21531
Echinosteliaceae	582.2453	589.2932
Echitoideae	582.937	583.721
Ectocarpales	582.2721	589.457
Ectolechiaceae	582.2933	589.171
Ectosporeae	582.2442	589.2931
Edelweiss	582.998	583.5542
Eel grass Hydrales	582.539	584.11
potamogeton	582.532	584.742
Egg spore fungi	582.2811	589.251
Ehretioideae	582.9482	583.77
Elachistaceae	582.2721	589.457
Elaeagnaceae	582.866	583.935
Elaeocarpineae	582.791	583.192
Elaphomycetaceae	582.28212	589.238
Elatinaceae	582.8312	583.161
Elder	582.973	583.511
Elephant's-foot Dioscoreaceae	582.5727	584.27
Vernoniaceae	582.998	583.5545
Eligulate lycopodiales	582.381	587.92
Elms	582.635	583.9625
Emblingioideae	582.6831	583.131
Embryophyta asiphonogama	582.31	587–588
siphonogama	582.4	582
zoidiogama	582.31	587–588
Empetrineae	582.762	583.984
Enantioblastae	582.553	584.81
Encalyptaceae	582.3443	588.21462
Encoeliaceae	582.2721	589.457
Endive	582.998	583.552
Endogonineae	582.28123	589.283
Endomycetaceae	582.28222	589.2362
Endophyllaceae	582.2852	589.225
Endosporeae	582.2443	589.2932
Enteridiales	582.2446	589.2932
Entodontaceae	582.3451	588.21511
Entomophthorales	582.28122	589.282
Epacridaceae	582.9127	583.64
Epacris	582.9127	583.64
Ephebaceae	582.2933	589.171
Ephedraceae	582.49	585.13
Ephemeraceae	582.3445	588.21442
Epigloeaceae	582.292	589.16
Epigoniantheae	582.333	588.311
Epigynae	582.57–.58	584.2
Epithemiaceae	582.2615	589.623
Equisetae	582.3742	587.211
Equisetales	582.374	587.21
Equisetineae	582.374	587.21
Eremascaceae	582.28222	589.2362
Eremosphaeraceae	582.2644	589.47522
Ergot	582.28219	589.2354
Ericaceae	582.9124	583.62
Ericales	582.912	583.6
Ericineae	582.9121	583.61
Ericoideae	582.9124	583.62
Eriocaulaceae	582.558	584.811
Eriogonoideae	582.657	583.917
Erpodiaceae	582.3449	588.21535
Erysibaceae	582.28211	589.2355
Erysiphaceae	582.28211	589.2355
Erythroxylaceae	582.7516	583.212
Escallonioideae	582.717	583.381
Euascales	582.2821	589.233
Eubacteria	582.231	589.953
Eubasidii	582.287	589.22
Eubasidiomycetes	582.287	589.22
Eubryales	582.3448	588.2141
Eubryinales	582.344	588.213
Eucaliptus	582.883	583.42
Euchlorophyceae	582.263	589.47
Euchromulinaceae	582.2514	589.974555
Eucommiaceae	582.727	583.3943
Euconjugatae	582.262	589.61
Eucryphiaceae	582.815	583.164
Eudorina	582.2641	589.47534
Euequisetales	582.3742	587.211
Eufilicinea	582.39472	587.312
Euflagellatae	582.251	589.974
Euflorldeae	582.275	589.411

	CD	DC
Euglenales	582.2517	589.9742
Euhymenomonadaceae	582.2514	580.974554
Eumycetes	582.28	589.2
Eunotiaceae	582.2615	589.6236
Euodiaceae	582.2611	589.6222
Eupatoriaceae	582.998	583.5544
Euphaeophyceae	582.272	589.45
Euphorbiaceae	582.757	583.951
Euplasmodida	582.244	589.293
Eupodiscaceae	582.2611	589.6224
Eupodiscales	582.2611	589.622
Eupomatiaceae	582.677	583.1152
Euprotococcales	582.2644	589.4752
Eusporangiatae	582.3942	587.33
Eustichiaceae	582.3448	588.21414
Eutuberaceae	582.28218	589.231
Eu-ulotrichales	582.265	589.4743
Evergreens coniferae	582.47	585.2
Everlastings	582.998	583.5542
Excipulaceae	582.2882	589.242
Exoasceae	582.28221	589.237
Exobasidiineae	582.28722	589.2213
Exosporales	582.2442	589.2931
Exuviaella	582.2532	589.97333
Fabaceae	582.739	583.322
Fabroniaceae	582.3451	588.21512
Fagaceae	582.6322	583.977
Fagales	582.632	583.976
Fairy clubs fungi	582.28723	589.222
False mermaid	582.764	583.294
Farinosae	582.55–.56	584.3
Felts, green	582.267	589.472
Fennel	582.893	583.481
Fernlike plants	582.35	587
seed plants	582.43	585.95
Ferns	582.394	587.3
common	582.39474	587.3127
modern	582.3947	587.31
old fashiond	582.3942	587.33
true	582.39472	587.312
uncertain	582.394	587.38
see also distinctive names		
Fescue grasses	582.5421	584.936
Festuceae	582.5421	584.936
Fever-bush Cornaceae	582.894	583.497
Garryaceae	582.624	583.982
Ilicineae	582.7664	583.2781
Lauraceae	582.678	583.931
Fever-few	582.998	583.5537
Ficoidales	582.6648	583.47
Ficoideae	582.6648	583.475
Fiddlewood	582.9491	583.881
Fig marigold	582.6648	583.475
Figs	582.635	583.9622
see also distinctive names		
Figwort	582.9516	583.81
Filamentous lichens	582.293	589.19
Filaree	582.7512	583.223
Filbert	582.6321	583.979
Filicaceae	582.39472	587.312
Filicales	582.394	587.3
Filicinae	582.394	587.3
Filmy ferns	582.39473	587.3129
Firs	582.47	585.213
Fissidentales	582.3441	588.2148
Fission algae	582.232	589.8
fungi	582.231	589.95
Flacourtiaceae	582.8423	583.139
Flacourtiineae	582.842	583.139
Flagellae	582.25	589.97
Flagellariineae	582.551	584.41
Flagellatae	582.251	589.974
Flagellates	582.25	589.97
Flat diatoms	582.2615	589.623
Flax	582.7514	583.211
Fleur-de-lis	582.579	584.24
Flindersioideae	582.7519	583.23
Floating ferns	582.39475	587.3111
Florideae	582.275	589.411
Flowering ferns	582.39472	587.3121
mosses	582.911	583.65
plants	582.5	583–584
rushes	582.5372	584.73
Flowerless plants	582.2–.3	586
Fluviales	582.53	584.72
Fly fungi	582.28122	589.282
mold	582.28122	589.282
Foetidioideae	582.877	583.423
Fontinalaceae	582.3449	588.21533
Forget-me-not	582.9482	583.77
Forsythea	582.931	583.71
Fossombronioideae	582.333	588.312
Fouquieraceae	582.944	583.762
Four-o'clock	582.6641	583.9153
Foxtail	582.663	583.9131
Fragilariaceae	582.2615	589.6236
Frankeniaceae	582.8314	583.151
Fringe tree	582.931	583.71
Frog's bit	582.539	584.11
Fucales	582.2727	585.452
Fumarioideae	582.682	583.1223
Funariales	582.3445	588.2144
Fungi	582.28	589.2
closed	582.28219	589.235
imperfecti	582.288	589.24
lowest	582.2812	589.28
see also distinctive names		
Gaertneria	582.998	583.5546
Gamboge	582.824	583.163
Gamopetalae	582.9	583.5
Garlic	582.5722	584.32
Garryales	582.624	583.982
Gas plant	582.7519	583.23
Gasterolichenes	582.296	589.112
Gasteromycetes	582.2872	589.221
Gaultheria	582.9124	583.62
Gazania	582.998	583.5534
Geiger tree	582.9482	583.77
Geissolomataceae	582.862	583.936
Gelatinosae	582.293	589.18
Gelatinous lichens	582.293	589.18
Gelidiales	582.27517	589.416
Gentianaceae	582.936	583.75
Gentianales	582.93	583.7
Gentianeae	582.936	583.75
Gentianineae	582.933	583.72
Geoglossaceae	582.28217	589.2331
Georgiaceae	582.3447	588.2142
Geosiphonaceae	582.290	589.242
Geraniaceae	582.7512	583.223
Geraniales	582.75	583.21
Germaniaceae	582.657	583.917
Gesneraceae	582.9528	583.83
Giffordiaceae	582.2721	589.457
Gigartinales	582.2753	589.414
Gigaspermaceae	582.3445	588.21442
Gilgiodaphnoideae	582.865	583.9331
Gillbearing fungi	582.28723	589.222

	CD	DC
Ginger	582.58	584.24
wild Aristolochiaceae	582.65	583.924
Ginkgoales	582.46	585.7
Ginseng	582.892	583.491
Glaucocystales	582.282	589.85
Gleicheniaceae	582.39472	587.3123
Globe daisy	582.9536	583.823
Globulariaceae	582.9536	583.823
Gloiosiphoniaceae	582.2752	589.415
Glossopterides	582.43	585.972
Glumaceae	**582.542**	**584.8**
Glumiflorae	**582.542**	**584.84**
Gnetales	582.49	585.1
Gnetum climbers	582.49	585.11
Gnomoniaceae	582.28219	589.2351
Goatsbeard	582.998	583.552
Golden spoon tree	582.7541	583.214
Goldenrod	582.998	583.5543
Gomortegaceae	582.677	583.1148
Gomphonemaceae	582.2615	589.6234
Gomphrenoideae	582.663	583.9131
Gonatozygaceae	582.2623	589.612
Gonystilaceae	582.794	583.191
Gonystyloideae	582.865	583.9331
Goodeniaceae	582.994	583.58
Goodénovieae	582.994	583.58
Gooseberry	582.717	583.381
Goosefoot	582.662	583.914
Gourds	582.98	583.461
Graminaceae	582.5421	584.9
Graminales	**582.542**	**584.8**
Gramineae	582.5421	584.9
Gramma grasses	582.5421	584.935
Grape blight	582.28114	589.252
Grapes	582.783	583.2792
Graphidineae	582.2932	589.172
Grasses	582.5421	584.9
Grateloupiaceae	582.2752	589.415
Great liverworts	582.331	588.33
Green algae	582.263	589.47
slimes	582.264	589.475
Grevilleoideae	582.639	583.932
Greyiaceae	582.774	583.2872
Grimmiales	582.3444	588.2145
Grossulariaceae	582.717	583.381
Ground pines	582.381	587.922
Groundsel	582.998	583.5536
Grubbiaceae	582.6415	583.946
Guava	582.883	583.42
Gumbo	582.796	583.172
Gunneroideae	582.887	583.417
Gurjun-balsam	582.825	583.167
Guttiferaceae	582.824	583.163
Guttiferae	582.824	583.163
Guttiferales	**582.812**	**583.16**
Guttulinaceae	582.241	589.292
Gyalectaceae	582.2933	589.171
Gymnoascaceae	582.28212	589.238
Gymnocarpeae	**582.293**	**589.17**
Gymnodiniaceae	582.2543	589.973236
Gymnodiniales	**582.2541**	**589.97323**
Gymnodiniidae	582.2543	589.973236
Gymnodinioidae	**582.2541**	**589.97323**
Gymnospermae	**582.42**	**585**
Gynandrae	582.594	584.15
Gyrophoraceae	582.2933	589.171
Gyrostemonaceae	**582.6645**	**583.915**

	CD	DC
Hackberry Prunaceae	582.734	583.37
Ulmaceae	582.635	583.9625
Haemodoraceae	582.5723	584.231
Haircaps	582.3471	588.2111
Hala	582.5222	584.611
Halapepe	582.5722	584.32
Halophiloideae	582.539	584.11
Haloragaceae	582.887	583.417
Halorrhagaceae	582.887	583.417
Hamamelidaceae	582.725	583.394
Haplomitrioideae	582.333	588.312
Harebell Campanulaceae	582.992	583.59
Liliaceae	582.5722	584.32
Harpochytriaceae	582.259	589.484
Harts'-tongues	582.39474	587.3127
Haw Rosaceae	582.734	583.37
Hawk-bit	582.998	583.552
Hawkweed	582.998	583.552
Hawthorn	582.734	583.37
Hazelnut	582.6321	583.979
Heath shrubs, dwarf	582.9516	583.876
Heather	582.9124	583.62
Empetraceae	582.762	583.984
Heaths, Australian	582.9127	583.64
Empetraceae	582.762	583.984
Ericales	**582.912**	**583.6**
Hedge laurel	582.718	583.141
Hedgehog fungi	582.28723	589.222
Hedwigiaceae	582.3449	588.21532
Heleniaceae	582.998	583.5538
Helianthaceae	582.998	583.5547
Helicophyllaceae	582.3449	588.21535
Heliotrope	582.9482	583.77
Heliotropioideae	582.9482	583.77
Helminthocladiaceae	582.27512	589.416
Helobiae	**582.53**	**584.72**
Helosidoideae	582.653	583.947
Helotiaceae	582.28216	589.2332
Helvellineae	582.28217	589.2331
Hemiascales	**582.2822**	**589.236**
Hemiascomycetes	**582.2822**	**589.236**
Hemibasidii	**582.285**	**589.224**
Hemlock	582.47	585.213
poison	582.893	583.481
Hemp	582.635	583.9623
agrimony	582.998	583.5544
see also distinctive names		
Hepatica	582.6751	583.111
Hepaticae	**582.33**	**588.3**
Heppiaceae	582.2933	589.171
Hercules club Araliaceae	582.892	583.491
Cucurbitaceae	582.98	583.461
Rutaceae	582.7519	583.23
Hernandiaceae	582.678	583.9312
Herposteiraceae	582.265	589.47425
Herrerioideae	582.5722	584.32
Heterocapsales	582.259	589.4852
Heterochloridaceae	582.259	589.4854
Heterochloridales	582.259	589.485
Heterococcales	582.259	589.484
Heterocontae	582.259	589.48
Heteromerae	**582.91-.92**	**583.6–.6864**
Heteropyxidaceae	582.873	583.442
Heterosiphonales	582.259	589.482
Heterotrichales	582.259	589.483
Hexenbesen	582.28221	589.237
Hickory	582.628	583.9731
Himantandraceae	582.677	583.1144

	CD	DC
Himanthaliaceae	582.2727	589.452
Hippocastanaceae	582.7723	583.285
Hippocrateaceae	582.7666	583.276
Hippuridineae	582.888	583.446
Hog plum Anacardiaceae	582.765	583.292
Drupaceae	582.734	583.37
Olacaceae	582.6412	583.26
Hogweed Ambrosiaceae	582.998	583.5546
Asteraceae	582.998	583.5543
Eupatoriaceae	582.998	583.5544
Liguliflorae	582.998	583.552
Nyctaginaceae	582.6641	583.9153
Polygonaceae	582.657	583.917
Umbelliferae	582.893	583.481
Holly	582.7664	583.2781
rose	582.8425	583.455
Holomastigaceae	582.2511	589.9748
Holoplastideae	582.232	589.85
Honey flower	582.639	583.932
plant	582.774	583.2871
Honeysuckle	582.973	583.511
Hookeriaceae	582.34495	588.21521
Hookeriales	582.34494	**588.2152**
Hop tree	582.7519	583.23
Hoplestigmataceae	582.923	583.6812
Hops	582.635	583.9622
Hordeae	582.5421	584.937
Horehound	582.9492	583.891
Hormogonales	582.232	589.83
Horn nut	582.885	583.413
Hornbeam	582.6321	583.978
Hornworts Anthocerotales	582.332	588.32
Ceratophyllaceae	582.6712	583.1182
Horse chestnut	582.7723	583.285
Horsetails	582.374	587.211
Horseweed	582.998	583.5543
Houseleek	582.715	583.39
Huckleberry	582.9124	583.611
Humiriaceae	582.7514	583.213
Humpback mosses	582.3461	588.2122
Hyacinth	582.5722	584.32
Hyaloriaceae	582.28712	589.2232
Hyalovolvocaceae	582.2641	589.47534
Hydnaceae	582.28723	589.222
Hydnoraceae	582.651	583.9222
Hydrales	582.539	584.11
Hydrangeoideae	582.717	583.381
Hydrocaryaceae	582.885	583.413
Hydrocharitaceae	582.539	584.11
Hydroclathraceae	582.2721	589.457
Hydrocotyloideae	582.893	583.481
Hydrodictyaceae	582.2644	589.47523
Hydrogastraceae	582.259	589.482
Hydromyxales	582.242	589.29
Hydrophyllaceae	582.9481	583.764
Hydropteridineae	582.39475	**587.311**
Hydrostachyaceae	582.6226	583.9211
Hydruraceae	582.2514	589.974552
Hyeniaceae	582.370	587.2122
Hylocomiaceae	582.3451	588.21511
Hymenogastrineae	582.28725	589.2216
Hymenolichenes	582.296	589.111
Hymenomonadaceae	582.2514	589.974554
Hymenomycetineae	582.28723	589.222
Hymenophyllaceae	582.39473	587.3129
Hypecooideae	582.682	583.1221
Hypericales	582.81	583.12
Hypericineae	582.824	583.162
Hypericum	582.824	583.162
Hyphomycetes	582.2884	589.2411
Hypnaceae	582.3451	588.21511
Hypnobryales	582.3451	**588.2151**
Hypnodendraceae	582.3448	588.21413
Hypochnaceae	582.28722	589.2213
Hypochytriaceae	582.28125	589.285
Hypocreaceae	582.28219	589.2354
Hypodermataceae	582.28215	589.2333
Hypogynous monocotyledoneae	**582.52–.56**	**584.3–.9**
Hypopterygiaceae	582.34495	588.21521
Hypoxidoideae	582.5724	584.25
Hyssop Hypericaceae	582.824	583.162
Labiatae	582.9492	583.891
Hysteriineae	582.28215	589.2333
Icacinineae	582.771	583.289
Ilicineae	582.7664	583.2781
Illecebraceae	582.669	583.912
Indian bredroot	582.739	583.322
cress	582.7513	583.225
fig cactus	582.85	583.471
Moraceae	582.635	583.9622
hemp apocynum	582.937	583.721
cannabis	582.635	583.9623
pipe	582.9123	583.63
pitcherplant	582.692	583.9221
plum	582.8354	583.138
turnip Araceae	582.5471	584.65
Papilionatae	582.739	583.322
Indigo	582.739	583.322
Inferae	**582.97–.99**	**583.51–.591**
Inulaceae	582.998	583.5542
Inversicatenales	582.394	587.38
Iridineae	**582.579**	**584.24**
Iridales	**582.57–.58**	**584.2**
Iris	582.5792	584.24
Ironweed	582.998	583.5545
Ironwood Betulaceae	582.6321	583.978
see also specific names		
Isobryales	582.3449	**588.2153**
Isochrysidaceae	582.2514	589.974554
Isoetales	582.392	587.1
Isokontae	582.263	**589.47**
Iteaceae	582.717	583.381
Ivy	582.892	583.491
Ixonanthoideae	582.7514	583.211
Jacaranda	582.9518	583.84
Jack-in-a-box	582.678	583.9312
Jack-in-the-pulpit	582.5471	584.65
Jacob's ladder	582.943	583.7611
Jamrosade	582.883	583.42
Jasmin Loganiaceae	582.935	583.74
Oleaceae	582.931	583.71
Jasminoideae	582.931	583.71
Jelly fungi	582.28712	589.2232
Jerusalem artichoke	582.998	583.5547
Jessamin see Jasmin		
Jewel weed	582.776	583.226
Jew's ear fungi	582.28711	589.2231
Jimson weed	582.9514	583.79
Joe-pye weed	582.998	583.5544
Joint firs	582.49	**585.1**
Jubuloideae	582.333	588.311
Judas tree	582.672	583.323
Juglandales	582.628	583.973
Julianiales	582.631	583.9732
Juncaceae	582.571	584.45

	CD	DC
Juncaginaceae	582.535	584.744
Juncagineae	582.535	584.744
Juncineae	582.571	584.45
Juneberry	582.734	583.37
Jungermanniales	582.333	588.31
Juniperoideae	582.47	585.216
Junipers	582.47	585.216
Kelps	582.2721	589.457
Kentucky coffee tree	582.738	583.323
Kielmeyeroideae	582.824	583.163
Knackaway	582.9482	583.77
Knapweed	582.998	583.5533
Knawel	582.669	583.1545
Knorripterideae	582.394	587.38
Knotweed	582.657	583.917
Knotwort	582.669	583.912
Koeberlinioideae	582.6831	583.131
Krameriaceae	582.738	583.323
Labiatae	582.9492	583.891
Labiatiflorae	582.998	583.553
Laboulbeniales	582.2823	589.232
Labrador tea	582.9124	583.62
Lacistemineae	582.841	583.983
Lactoridaceae	582.677	583.1145
Lactucaceae	582.998	583.552
Lacy ferns	582.39473	587.3129
Ladies' tresses	582.594	584.15
Lady's slipper	582.594	584.15
Lagenidiaceae	582.28113	589.262
Lamiaceae	582.9492	583.891
Lamiales	582.949	583.87
Laminariales	582.27246	589.454
Land ferns	582.39472	587.312
Larch	582.47	585.213
Lardizabalaceae	582.6752	583.1172
Larkspur	582.6751	583.111
Lasioideae	582.5471	584.65
Lattice plant	582.534	584.743
Lattice-leaf	582.534	584.743
Lauraceae	582.678	583.931
Laurel	582.678	583.931
American	582.9124	583.62
Laurineae	582.678	583.931
Lavanduloideae	582.9492	583.891
Lavender	582.9492	583.891
sea	582.919	583.671
Leadwort	582.919	583.671
Leather-leaf	582.9124	583.62
Leatherwood Cyrillaceae	582.7661	583.273
Thymelaeaceae	582.865	583.9331
Leathery fungi	582 28723	589.222
Lecanactidaceae	582.2933	589.171
Lecanoraceae	582.2933	589.171
Lecideaceae	582.2933	589.171
Lecythidaceae	582.877	583.423
Leek	582.5722	584.32
Leeoideae	582.783	583.2792
Leguminos	582.736	583.32
Leitnerialesae	582.627	583.972
Lemaneaceae	582.27512	589.416
Lembophyllaceae	582.3449	588.21531
Lemnaceae	582.5472	584.68
Lemnoideae	582.5472	584.68
Lennoaceae	582.947	583.66
Lentibulariaceae	582.9534	583.825
Lepidocaryoideae	582.545	584.5
Lepidodendraceae	582.3824	587.9115
Lepidodendrales	582.3823	587.911

	CD	DC
Lepidodendreae	582.3823	587.911
Lepidodendrineae	582.382	587.91
Lepidophyta	[illegible]38	587.9
Lepidophytineae	582.3823	587.911
Leptomitaceae	582.28112	589.26
Leptospermoideae	582.883	583.42
Leptosporangiatae	582.3947	587.31
Leptostomaceae	582.3448	588.21415
Leptostromataceae	582.2882	589.242
Leptothecoideae	582.333	588.312
Lepyrodontaceae	582.3449	588.21532
Leskeacea	582.3451	588.21512
Lettuce	582.998	583.552
Leucobryaceae	582.3442	588.21471
Leucodontaceae	582.3449	588.21532
Leucomiaceae	582.34495	588.21521
Leucophanaceae	582.3442	588.21471
Liceales	582.2452	589.2932
Lichens	582.29	589.1
closed	582.292	589.16
covered fruit	582.292	589.16
naked fruit	582.293	589.17
Lichinaceae	582.2933	589.171
Licorice	582.739	583.322
Lignum vitae	582.7517	583.221
Ligulate lycopodiales	582.382	587.91
Liguliflorae	582.998	583.552
Lilac	582.931	583.71
Liliaceae	582.5722	584.32
Liliales	582.57	584.23
Liliiflorae	582.57	584.23
Liliineae	582.572	584.23
Lilioideae	582.5722	584.32
Lily	582.5722	584.32
Lily-of-the-valley	582.5722	584.322
Limes Rutaceae	582.7519	583.23
Tiliaceae	582.795	583.19
Limnanthineae	582.764	583.294
Linaceae	582.7514	583.211
Linden	582.795	583.19
Linoideae	582.7514	583.211
Liquidambaroideae	582.725	583.394
Liriodendron	582.6771	583.114
Lissocarpaceae	582.929	583.6864
Listerellaceae	582.2452	589.2932
Live-forever	582.715	583.39
Liverworts	582.33	588.3
Lizard's-tail	582.622	583.9252
Loasaceae	582.844	583.453
Lobelioideae	582.992	583.591
Locust	582.739	583.322
Loganiaceae	582.935	583.74
Loosestrife	582.872	583.441
Lophiostomataceae	582.28219	589.2351
Lophophytoideae	582.653	583.947
Lopseed	582.957	583.873
Loranthineae	582.651	583.941
Lotus Nymphaeaceae	582.6711	583.118
Lowioideae	582.58	584.214
Loxsomaceae	582.39473	587.3129
Lupin	582.739	583.322
Luzuriagoideae	582.5722	584.32
Lycogalaceae	582.2446	589.2932
Lycoperdineae	582.28726	589.2217
Lycopodiaceae	582.381	587.922
Lycopodiales	582.38	587.9
Lycopodiinae	582.38	587.9
Lycopodineae	582.381	587.92

	CD	DC
Lyginodendraceae	582.43	585.967
Lyginopteridcae	582.43	585.967
Lyngbyaceae	582.232	589.83
Lythraceae	582.872	583.441
Lythraricae	582.872	583.441
Madder	582.972	583.52
Maesoideae	582.9182	583.677
Magnolia	582.6771	583.114
Magnoliineae	582.677	583.114
Mahogany	582.7523	583.251
Maidenhair ferns	582.39474	587.3127
trees	582.46	585.7
Maize grasses	582.5421	584.922
Malaceae	582.734	583.37
Malacospermae	582.85	583.471
Malesherbiaceae	582.8426	583.457
Malla tree	582.6412	583.26
Mallomonadaceae	582.2514	589.974555
Mallow	582.796	583.172
Malpighiaceae	582.7541	583.214
Malpighiineae	582.754	583.214
Malvaceae	582.796	583.172
Malvales	582.79	583.17
Malvineae	582.793	583.171
Manchineel	582.757	583.951
Mango	582.765	583.292
Mangosteen	582.824	583.163
Mangrove	582.878	583.411
black	582.9491	583.881
Maple	582.7722	583.284
Marantaceae	582.58	584.211
Marattiales	582.3946	587.332
Marcgraviaceae	582.821	583.1666
Marchantiales	582.331	588.33
Mare's tail	582.888	583.446
Margaritales	582.2456	589.2932
Margosa	582.7523	583.251
Marigold Compositae	582.998	583.5535
Ranunculaceae	582.6751	583.111
Marjoram	582.9492	583.891
Marlberry	582.9182	583.677
Marsh elder	582.998	583.5546
rosemary		
Ericaceae	582.9124	583.62
Plumbaginaceae	582.919	583.671
Marsiliaceae	582.39475	587.3112
Martyniaceae	582.9524	583.852
Massariaceae	582.28219	589.2351
Mastixioideae	582.894	583.497
Mastodiaceae	582.292	589.16
Matoniaceae	582.39472	587.3125
May apple Ericaceae	582.9124	583.62
Passifloraceae	582.8427	583.456
podophyllum	582.6753	583.117
Mayacaceae	582.556	584.37
Maydeae	582.5421	584.922
Meadow beauty	582.884	583.43
rue	582.6751	583.111
rushes	582.571	584.45
sweet	582.734	583.37
Medullosaceae	582.43	585.966
Medusagynaceae	582.816	583.1663
Meeseaceae	582.3448	588.21412
Megalopterides	582.43	585.971
Megaloxylaceae	582.43	585.955
Melampsoraceae	582.2852	589.225
Melanconiales	582.2883	589.243
Melanconidaceae	582.28219	589.2351

	CD	DC
Melanthaceae	582.5722	584.321
Melanthioideae	582.5722	584.321
Melastomaceae	582.884	583.43
Melastomatoideae	582.884	583.43
Meliaceae	582.7523	583.251
Melianthaceae	582.774	583.2871
Melianthineae	582.774	583.287
Melioideae	582.7523	583.251
Melogrammataceae	582.28219	589.2351
Melosiraceae	582.2611	589.6224
Memecyloideae	582.884	583.43
Mendoncioideae	582.955	583.86
Menispermaceae	582.6754	583.116
Menthaceae	582.9492	583.891
Menyanthoideae	582.936	583.751
Meridionaceae	582.2615	589.6236
Mesocarpaceae	582.2623	589.612
Mesogloeaceae	582.2721	589.457
Mesotaeniaceae	582.2622	589.614
Metachlamydeae	582.9	583.5
Meteoriaceae	582.3449	588.21532
Metzgerioideae	582.333	588.312
Mezereon	582.865	583.9331
Micrembryeae	582.622	583.925
Microbes	582.231	589.95
Microspermae	582.59	584.1
Microsporaceae	582.265	589.47433
Microthamniaceae	582.265	589.47428
Microthyriaceae	582.28211	589.2355
Mielichhoferioideae	582.3448	588.21415
Mignonet	582.684	583.133
Mildews	582.28211	589.2355
downy	582.28114	589.252
Milfoil	582.998	583.5537
water	582.887	583.417
Milkweed	582.938	583.73
Milkwort	582.7552	583.143
Millet	582.5421	584.926
Mimosa	582.737	583.321
Mimosoideae	582.737	583.321
Mints	582.9492	583.891
Mischococcales	582.259	589.4853
Mistletoe	582.651	583.941
Mitella	582.717	583.381
Miterwort Loganiaceae	582.935	583.74
Saxifragaceae	582.717	583.381
Mitteniaceae	582.3448	588.21414
Mniaceae	582.3448	588.21415
Moccasin flower	582.594	584.15
Mock orange Cucurbitaceae	582.98	583.461
Hydrangeaceae	582.717	583.381
prunus	582.734	583.37
Sapotaceae	582.922	583.6811
styrax	582.928	583.6861
Mold fungi Hyphomycetes	582.2884	589.2411
Mucorales	582.28121	589.281
Moldlike saprophytes	582.2812	589.28
Molds, water	582.28112	589.26
Mollisiaceae	582.28216	589.2332
Molluginaceae	582.6648	583.476
Monadaceae	582.2513	589.9746
Monandrae	582.594	584.15
Moniliales	582.2884	589.2411
Monimiaceae	582.6779	583.1147
Monkeypot tree	582.877	583.423
Monoblepharidineae	582.28111	589.263
Monochlamydeae	582.62–.66	583.9
Monociliaceae	582.259	589.483

	CD	DC
Monocotyledoneae	582.52	584
Monopetalae	582.9	583.5
Monotoideae	582.825	583.167
Monotropoideae	582.9123	583.63
Monsteroideae	582.5471	584.65
Montioideae	582.666	583.1561
Moonseed	582.6754	583.116
Moorwort	582.9124	583.62
Moraceae	582.635	583.9622
Moringaceae	582.685	583.1222
Moriolaceae	582.292	589.16
Morning-glory	582.942	583.78
Moroideae	582.635	583.9622
Moronoboideae	582.824	583.163
Mortierellaceae	582.28121	589.281
Moschatel	582.974	583.513
Mosses	582.34	588.2
long bromelia	582.564	584.22
small	582.342	588.22
true	582.343	588.21
see also special names		
Mossworts	582.32	588
Mougeotiaceae	582.2623	589.612
Mountain ash Myrtaceae	582.883	583.42
Oleaceae	582.931	583.71
Pomaceae	582.734	583.37
Mucedinaceae	582.2884	589.2411
Mucorales	582.28121	589.28
Mulberry	582.635	583.9622
Mullen	582.9516	583.81
Multiovulatae aquaticae	582.637	583.92
terrestres	582.65	583.922
Musales	582.58	584.21
Musci	582.34	588.2
Muscineae	582.32	588
Mushrooms	582.28723	589.222
Musoideae	582.58	584.214
Mustard	582.6832	583.123
Mutisiaceae	582.998	583.5532
Mycelic fungi imperfecti	582.2885	589.244
Mycetozoa	582.24	589.29
Mycobacteriaceae	582.231	589.953
Mycology	582.28	589.2
Mycoporaceae	582.292	589.16
Mycosphaerellaceae	582.28219	589.2351
Myoporaceae	582.956	583.871
Myriangiaceae	582.28212	589.238
Myricales	582.625	583.974
Myrionemataceae	582.2721	589.457
Myriotrichiaceae	582.2721	589.457
Myristicaceae	582.6777	583.1146
Myrobalan	582.882	583.414
Myrothamnaceae	582.723	583.3942
Myrrh	582.7522	583.247
Myrsinaceae	582.9182	583.677
Myrtaceae	582.883	583.42
Myrtales	582.86	583.4
Myrtiflorae	582.86	583.4
Myrtineae	582.871	583.41
Myrtle	582.883	583.42
Myrtoideae	582.883	583.42
Myrstropetaloideae	582.653	583.947
Myuriaceae	582.3449	588.21532
Myurococcaceae	582.2644	589.47532
Myxobacteriaceae	582.231	589.953
Myxogasteres	582.244	589.293
Myxomycetes	582.24	589.29
Myxophyceae	582.232	589.8

	CD	DC
Myxophyta	582.24	589.29
Myxothallophyta	582.24	589.29
Myzodendraceae	582.642	583.944
Naiadaceae	582.533	584.741
Naiadales	582.53	584.72
Najadaceae	582.533	584.741
Najadales	582.53	584.72
Nakedwood Myrtaceae	582.883	583.42
Rhamnaceae	582.782	583.2791
Napoleonoideae	582.877	583.423
Narcissi	582.5724	584.25
Nasturtiums	582.7513	583.225
Naviculaceae	582.2615	589.6234
Naviculales	582.2615	589.623
Neckeraceae	582.3449	588.21531
Nectrioideaceae	582.2882	589.242
Nelsonioideae	582.955	583.86
Nelumbaceae	582.6711	583.118
Nelumbonoideae	582.6711	503.118
Nemalionales	582.27512	589.416
Nemastomaceae	582.2753	589.415
Nemataceae	582.34494	588.21522
Nematocaceae	582.34494	588.21522
Nepenthaceae	582.692	583.9221
Nephroselmidaceae	582.2515	589.97444
Nettles	582.635	583.9621
Neuradoideae	582.734	583.37
Neuropterides	582.43	585.974
Nidulariineae	582.28727	589.2218
Nightshade	582.9514	583.79
Nilssoniaceae	582.45	585.922
Nipoideae	582.545	584.5
Nipplewort	582.998	583.552
Nitellaceae	582.271	588.42
Nitrarioideae	582.7517	583.221
Nitrobacteriaceae	582.231	589.953
Nitzschiaceae	582.2615	589.6233
Noctilucaceae	582.2545	589.973234
Nolanaceae	582.9512	583.792
Nostocaceae	582.232	589.83
Notheiaceae	582.2727	589.452
Nudiflorae	582.546–.547	584.6
Nutmeg	582.6777	583.1146
Nux vomica	582.935	583.74
Nyctaginaceae	582.6641	583.9153
Nymphaeineae	582.675	583.118
Nyssaceae	582.879	583.415
Oak	582.6322	583.977
Oats	582.5421	584.934
Ochnaceae	582.817	583.245
Ochromonadaceae	582.2514	589.974553
Ocimoideae	582.9492	583.891
Octoknemataceae	582.6414	583.9461
Odontopt rides	582.43	585.975
Oedipodiaceae	582.3445	588.21441
Oedogoniaceae	582.265	589.47422
Oenotheraceae	582.886	583.445
Oicomonadaceae	582.2513	589.9746
Okra	582.796	583.172
Oktoknemaceae	582.6414	583.9461
Olacaceae	582.6412	583.26
Oleaceae	582.931	583.71
Oleales	582.931	583.71
Olearia	582.998	583.5543
Oleaster	582.866	583.935
Oleineae	582.931	583.71
Oleoideae	582.931	583.71
Oliniaceae	582.864	583.937

	CD	DC
Olive	582.931	583.71
green algae	582.263	589.47
wild Olacaceae	582.6412	583.26
Olpidiaceae	582.28125	589.285
Onagraceae	582.886	583.445
Onagrarieae	582.886	583.445
Onion	582.5722	584.32
Onygenaceae	582.28212	589.238
Oochytriaceae	582.28125	589.285
Oocystaceae	582.2644	589.47522
Oomycetes	582.2811	589.251
Oosporeae algae	582.26–.27	589.5
fungi	582.288	589.24
Ophiocytiaceae	582.259	589.484
Ophioglossales	582.3944	587.331
Ophiopogonoideae	582.5722	584.32
Opiliaceae	582.6413	583.945
Opuntiales	582.85	583.471
Orchidaceae	582.594	584.15
Orchidales	582.59	584.12
Orchids	582.594	584.15
Orchis	582.594	584.15
Orobanchaceae	582.9526	583.821
Orpin	582.715	583.39
Orthodontioideae	582.3448	588.21415
Orthotrichaceae	582.3449	588.21535
Oryzeae	582.5421	584.927
Osage orange	582.635	583.9622
Oscillariaceae	582.232	589.83
Oscillatoriaceae	582.232	589.83
Osier	582.623	583.981
Osmundaceae	582.39472	587.3121
Ostropaceae	582.28215	589.2333
Ouabe	582.757	583.951
Oxalidaceae	582.7511	583.224
Oxalis	582.7511	583.224
Ox-eye daisy	582.998	583.5537
Paepalanthoideae	582.558	584.811
Paletuvieraceae	582.878	583.411
Palmae	582.545	584.5
Palmellaceae	582.2644	589.47532
Palmetto	582.545	584.5
Palms	582.545	584.5
Pandales	582.74	583.985
Pandanales	582.522	584.61
Pandorina	582.2641	589.47534
Panic grasses	582.5421	584.926
Paniceae	582.5421	584.926
Pannariaceae	582.2933	589.171
Pantostomatales	582.2511	589.9748
Papaveraceae	582.682	583.1221
Papaverales	582.68	583.122
Papaw Anonaceae	582.6775	583.115
Caricaceae	582.843	583.462
Papaya	582.843	583.462
Papayineae	582.843	583.462
Papilionatae	582.739	583.322
Paprika	582.9514	583.79
Paradise tree	582.7521	583.241
Parasitic fungi	582.282	589.23
Paratheliaceae	582.292	589.16
Parietales	582.81	583.12
Parkeriaceae	582.39474	587.3126
Parmeliaceae	582.2933	589.171
Parnassiaceae	582.717	583.381
Paronychioideae	582.669	583.1544
Paropsidaceae	582.28211	589.2355
Parsley	582.893	583.481
Parsnip	582.893	583.481
Partridge berry Ericaceae	582.9124	583.62
Rubiaceae	582.972	583.52
Passifloraceae	582.8427	583.456
Passiflorales	582.842	583.45
Passion flower	582.8427	583.456
Patellariaceae	582.28216	589.2332
Patmawort	582.651	583.923
Peach	582.734	583.37
leaf curl	582.28221	589.237
Peanut	582.739	583.322
Pear	582.734	583.37
hard	582.864	583.937
Peas	582.739	583.322
Peat mosses	582.341	588.1
Pecan	582.628	583.9731
Pecopterides	582.43	585.978
Pedaliaceae	582.9522	583.85
Pedalium	582.9522	583.85
Peganoideae	582.7517	583.221
Peltigeraceae	582.2933	589.171
Penaeaceae	582.863	583.934
Penieae	582.2622	589.613
Pennales	582.2615	589.623
Pennatae	582.2615	589.623
Pennyroyal	582.9492	583.891
Pentaciclic Sympetalae	582.91–.92	583.6–.6864
Pentaphylacaceae	582.7662	583.278
Penthoroideae	582.717	583.39
Peponiferae	582.98	583.46
Peppergrass	582.6832	583.123
Pepperidge	582.894	583.497
Peppermint	582.9492	583.891
Peppers	582.622	583.9251
Pepperworts Cruciferae	582.6832	583.123
ferns	582.39475	587.3112
Peranemataceae	582.2517	589.9742
Peridinales	582.252	589.973
Peridiniales	582.2549	589.97322
Periplocoideae	582.938	583.73
Perisporiineae	582.28211	589.2355
Peronosporales	582.28114	589.252
Perseoideae	582.678	583.931
Persimmon	582.925	583.6851
Personales	582.951	583.8
Persoonioideae	582.639	583.932
Pertusariaceae	582.2933	589.171
Petticoat mosses	582.3445	588.21441
Peyritschiellaceae	582.2823	589.232
Pezizineae	582.28216	589.2332
Phacidiineae	582.28213	589.2335
Phacotaceae	582.2641	589.47534
Phaeocapsales	582.2515	589.97443
Phaeophyceae	582.272	589.45
Phaeosporeae	582.2726	589.453
Phaeothamnionaceae	582.2514	589.97453
Phaeozoosporineae	582.2726	589.453
Phalansteriaceae	582.2513	589.9746
Phalarideae	582.5421	584.932
Phallineae	582.28728	589.2215
Phanerogamia	582.4	582
Pherosphaeroideae	582.47	585.223
Philodendroideae	582.5471	584.65
Philydrineae	582.569	584.35
Phlox	582.943	583.7611
Phoenicales	582.545	584.5
Phrymaceae	582.957	583.873
Phycobacteriaceae	582.231	589.953

	CD	DC
Phycochromaceae	582.232	589.8
Phycolichenes	582.290	589.482
Phycomycetes	**582.281**	**589.25**
Phyllanthoideae	582.757	583.951
Phyllocladoideae	582.47	585.224
Phyllogoniaceae	582.3449	588.21531
Phyllophoraceae	582.2753	589.414
Phyllopsoraceae	582.2933	589.171
Phyllopyreniaceae	582.292	589.16
Phyllosiphonaceae	582.267	589.4724
Physarales	582.2455	589.2932
Physiaceae	582.2933	589.171
Phytelephantoideae	582.545	584.5
Phytoflagellatae	**582.251**	**589.974**
Phytolaccineae	**582.664**	**583.915**
Phytomyxinae	582.28125	589.285
Phytosarcodina	**582.24**	**589.29**
Pickerel weed	582.567	584.34
Picramnioideae	582.7521	583.241
Pignut Apiaceae	582.893	583.481
Araliaceae	582.892	583.491
Juglandaceae	582.628	583.9731
Tricoccae	582.757	583.951
Pigweed amaranthus	582.663	583.9131
chenopodium	582.662	583.914
Pilacraceae	582.28711	589.2231
Pilocarpaceae	582.2933	589.171
Pilotrichaceae	582.34495	588.21521
Pimento	582.883	583.42
Pimpernel Primulaceae	582.9183	583.672
Umbelliferae	582.893	583.481
Pinaceae	582.47	585.213
Pinales	582.47	585.2
Pineapple	582.564	584.22
Pines	582.47	585.213
ground	582.381	587.922
old	582.47	585.212
Pinguiculaceae	582.9534	583.825
Pinks	582.669	583.153
Pinkster	582.9124	583.62
Pinxter	582.9124	583.62
Piperales	582.622	583.925
Pipewort	582.558	584.811
Pipsissewa	582.9123	583.631
Piptocephalidaceae	582.28121	589.281
Pistioideae	582.5471	584.65
Pitcherplants	582.691	583.121
Australian	582.716	583.391
East Indian	582.692	583.9221
Pittosporaceae	582.718	583.141
Pityaceae	582.465	585.52
Placoderm desmids	582.2622	589.613
Plagiotheciaceae	582.3451	588.21511
Plakopodaceae	582.242	589.29
Planchonioideae	582.877	583.423
Plane tree	582.732	583.971
Planer tree	582.635	583.9625
Plantaginales	582.96	583.899
Plantains	582.96	583.899
mud	582.567	584.34
water	582.536	584.721
Plasmodiophorales	582.28125	589.285
Platanaceae	582.732	583.971
Plectascineae	582.28212	589.238
Plectobasidiineae	582.28724	589.2219
Pleonandrae	582.594	584.15
Pleosporaceae	582.28219	589.2351
Pleurocapsaceae	582.232	589.84

	CD	DC
Pleurocarpi	**582.3449**	**588.215**
Pleurococcaceae	582.2644	589.47523
Pleuromeiaceae	582.3829	587.9111
Pleurophascaceae	582.3442	588.21472
Pleurozioideae	582.333	588.311
Plocamiaceae	582.2753	589.414
Plum pocket	582.28221	589.237
Plumbaginaceae	582.919	583.671
Plumbago	582.919	583.671
Plumieroideae	582.937	583.721
Plums	582.734	583.37
Poaceae	582.5421	584.9
Poales	**582.542**	**584.84**
Pocket fungi	582.28221	589.237
Podaxaceae	582.28724	589.2219
Podocarpaceae	582.47	585.223
Podophylloideae	582.6753	583.117
Podostemonales	582.637	583.92
Poison-wood Anacardiaceae	582.765	583.292
Euphorbiaceae	582.757	583.951
Pokeberry	582.6643	583.915
Pokeweed	582.6643	583.915
Polanisia	582.6831	583.131
Polemoniaceae	582.943	583.7611
Polemoniales	**582.94**	**583.761**
Polemonioideae	582.943	583.7611
Polemonium	582.943	583.7611
Polyblepharideceae	582.2641	589.47534
Polycarpeae	582.669	583.1541
Polycarpellatae		
axifloro-apopetalous	**582.67–.75**	**583.11–.255**
gamopetalous	**582.91–.92**	**583.6–.6864**
Polycarpicae	**582.67**	**583.11**
Polygalaceae	582.7552	583.143
Polygalales	**582.755**	**583.14**
Polygalineae	**582.755**	**583.14**
Polygonales	582.657	583.917
Polygonoideae	582.657	583.917
Polykrikaceae	582.2544	589.973235
Polypetalae	**582.62–.69**	**583.1**
Polypodiaceae	582.39474	587.3127
Polyporaceae	582.28723	589.222
Polytrichales	582.3471	588.2111
Polytrichinales	**582.347**	**588.211**
Pomaceae	582.734	583.37
Pomegranate	582.876	583.412
Pomoideae	582.734	583.37
Pond scum	582.2623	589.612
Pondweed	582.532	584.742
Pontederiaceae	582.567	584.34
Pontederiales	**582.566**	**584.33**
Pontederiineae	**582.566**	**584.33**
Poplar	582.623	583.981
Poppy	582.682	583.1221
water	582.5372	584.73
Porantheroideae	582.757	583.951
Portulacineae	**582.665**	**583.156**
Potamogetonineae	**582.531**	**584.74**
Potato	582.9514	583.79
blight	582.28114	589.252
Pothoideae	582.5471	584.65
Pottiaceae	582.3443	588.21461
Pottiales	582.3443	588.2146
Pouchetiaceae	582.2546	589.973233
Powdery fungi	582.28214	589.2334
lichens	582.2931	589.173
mildews	582.28211	589.2355
Prasioideae	582.9492	583.891

	CD	DC
Prasiolaceae	582.265	589.47432
Prickly fungi	582.28723	589.222
pear	582.85	583.471
Primrose	582.9183	583.672
evening	582.886	583.445
Primulaceae	582.9183	583.672
Primulales	**582.918**	**583.67**
Principes	582.545	584.5
Prionodontaceae	582.3449	588.21532
Privet	582.931	583.71
Prorocentraceae	582.2532	589.97332
Prostantheroideae	582.9492	583.891
Proteales	582.639	583.932
Protista	**582.23**	**589.7**
Protoarticulatales	582.370	587.2122
Protoascineae	582.28222	589.2362
Protobasidiomycetes	**582.2871**	**589.223**
Protocalamaricaceae	582.3745	587.2122
Protocaliciineae	582.28214	589.2334
Protococcaceae	582.2644	589.47523
Protococcales	**582.264**	**589.475**
Protodiniferaceae	582.2542	589.973237
Protodiscineae	582.28221	589.237
Protogastrineae	**582.287247–248**	
		589.221
Protomastigales	582.2513	589.9746
Protomycetes	582.283	589.229
Protophyta	**582.23**	**589.7**
Protopityaceae	582.43	585.972
Protosiphonaceae	582.2644	589.47523
Prototaxitaceae	582.27246	589.454
Protothecaceae	582.2644	589.47522
Prunaceae	582.734	583.37
Prunoideae	582.734	583.37
Psaronieae	582.3946	587.38
Pseudoborniales	582.373	587.22
Pseudoraphideae	582.2615	589.623
Pseudosolanoideae	582.9516	583.81
Pseudosporochnaceae	582.352	587.45
Psilophytales	582.352	587.45
Psilotales	582.391	587.4
Psoraleae	582.739	583.322
Pterantheae	582.669	583.1546
Pteridophyta	**582.35**	**587**
Pteridospermae	582.43	585.95
Pterobryaceae	582.3449	588.21532
Pterostemonoideae	582.717	583.381
Ptilidioideae	582.333	588.311
Ptychomitriaceae	582.3449	588.21535
Ptychomniaceae	582.3449	588.21532
Pucciniaceae	582.2852	589.225
Puffballs	582.28726	589.2217
hard	582.28724	589.2219
Pulse	**582.736**	**583.32**
Punctariaceae	582.2721	589.457
Punicaceae	582.876	583.412
Purslane	582.666	583.1561
sea	582.6648	583.475
Pyrenidiaceae	582.292	589.16
Pyrenocarpeae	582.292	589.16
Pyrenolichenes	582.292	589.16
Pyrenomycetineae	582.28219	589.235
Pyrenopsidaceae	582.2933	589.171
Pyrenothamniaceae	582.292	589.16
Pyrenotrichaceae	582.292	589.16
Pyrenulaceae	582.292	589.16
Pyrolaceae	582.9123	583.631
Pyroloideae	582.9123	583.631

	CD	DC
Pyronemataceae	582.28216	589.2332
Pythiaceae	582.28114	589.252
Pyxie	582.911	583.65
Quercineae	582.6322	583.977
Quiinaceae	582.822	583.165
Quillworts	582.392	587.1
Radish	582.6832	583.123
Rafflesiaceae	582.651	583.923
Ragweed	582.998	583.5546
Ralfsiaceae	582.2721	589.457
Ramie	582.635	583.9621
Ranales	**582.67**	**583.11**
Ranunculales	**582.67**	**583.11**
Ranunculineae	**582.675**	**583.111**
Rapateaceae	582.563	584.39
Rape	582.6832	583.123
Raphideae	582.2615	589.623
Raspberry	582.734	583.37
Red algae	**582.273**	**589.41**
cedar	582.47	585.216
ironwood	582.817	583.245
seaweeds	**582.275**	**589.411**
hard	582.2752	589.415
higher	582.2754	589.413
lower	582.2751	589.416
soft	582.2753	589.414
Redtop grasses	582.5421	584.933
Redwood	582.47	585.211
Reeds	582.5421	584.936
Resedaceae	582.684	583.133
Restiaceae	582.554	584.83
Restionaceae	582.554	584.83
Reticulariaceae	582.2446	589.2932
Rhacopilaceae	582.3449	588.21534
Rhamnales	**582.78**	**583.279**
Rhea	582.635	583.9621
Rhegmatodontaceae	582.3451	588.21512
Rhetinangiaceae	582.43	585.957
Rhinanthoideae	582.9516	583.81
Rhizidiaceae	582.28125	589.285
Rhizinaceae	582.28217	589.2331
Rhizobolaceae	582.819	583.1665
Rhizochrysidales	582.2514	589.97452
Rhizoctonia	582.2884	589.2411
Rhizoflagellatae	582.2511	589.9748
Rhizogoniaceae	582.3448	588.21414
Rhizomastigaceae	582.2511	589.9748
Rhizomopterideae	582.394	587.38
Rhizophoraceae	582.878	583.411
Rhizophyllidaceae	582.2752	589.415
Rhizosoleniaceae	582.2611	589.6223
Rhodobacteriaceae	582.231	589.952
Rhodochaetaceae	582.274	589.42
Rhodochytriaceae	582.2644	589.47523
Rhododendron	582.9124	583.62
Rhodoleioideae	582.725	583.394
Rhodomelaceae	582.2755	589.412
Rhodophyceae	**582.273**	**589.41**
Rhodophyllidaceae	582.2753	589.414
Rhodymeniales	582.2754	589.413
Rhoeadales	**582.68**	**583.122**
Rhoeadineae	**582.681**	**583.1221**
Rhoipteleaceae	582.635	583.962
Rhynchoflagellata	582.255	589.9735
Rhyniaceae	582.352	587.45
Rhytidiaceae	582.3451	588.21511
Ribesioideae	582.717	583.381
Ricciaceae	582.331	588.331

	CD	DC
Rice grasses	582.5421	584.927
paper plant	582.994	583.58
tree	582.892	583.491
Ricinocarpoideae	582.757	583.951
Rielloideae	582.333	588.312
Ripe rot fungi	582.2883	589.243
Riverweed Podostemonaceae	582.637	583.921
potamogeton	582.532	584.742
Rivulariaceae	582.232	589.83
Roccellaceae	582.2932	589.172
Rock rose	582.8352	583.134
Rockweeds	582.2727	589.452
Root rot fungi	582.2883	589.243
Roridulaceae	582.726	583.392
Rosaceae	582.734	583.37
Rosales	582.71	583.3
Rose	582.734	583.37
of Jericho Brassicaceae	582.6832	583.123
Inulaceae	582.998	583.5542
Rosemary	582.9492	583.891
see also Marsh rosemary		
Rosewood, Australian	582.7523	583.251
bastard	582.7523	583.251
Bignonaceae	582.9518	583.84
Fabaceae	582.739	583.322
juniper	582.47	585.216
Meliaceae	582.7523	583.251
Mimosaceae	582.737	583.321
Myoporaceae	582.956	583.871
Sapindaceae	582.7724	583.282
Rosineae	582.731	583.31
Rosoideae	582.734	583.37
Rough leaf tree	582.813	583.112
Round diatoms	582.2611	589.622
Roxburghiaceae	582.5721	584.31
Roydsioideae	582.6831	583.131
Rubiaceae	582.972	583.52
Rubiales	582.97	583.51
Rue	582.7519	583.23
Rushes	582.571	584.45
see also distinctive names		
Rust fungi	582.2852	589.225
white	582.28114	589.252
Rutaceae	582.7519	583.23
Rutenbergiaceae	582.3449	588.21532
Rutilariaceae	582.2611	589.6222
Rutoideae	582.7519	583.23
Sabalaceae	582.545	584.5
Sabiineae	582.773	583.291
Saccharomycetineae		
fungi	582.28223	589.2361
protophyta	582.23	589.91
Saccoderm desmids	582.2622	589.614
Safflower	582.998	583.5533
Sage	582.9492	583.891
rose	582.8425	583.455
Sagebrush	582.998	583.5533
Saint Johnswort	582.824	583.162
Salicales	582.623	583.981
Salicineae	582.623	583.981
Salisburyaceae	582.46	585.7
Salsify	582.998	583.552
Salvadoraceae	582.7667	583.716
Salviniaceae	582.39475	587.3111
Samydaceae	582.844	583.541
San Juan tree	582.7543	583.145

	CD	DC
Sandalwood	582.6416	583.943
bastard	582.956	583.871
Sanicle	582.893	583.481
Saniculoideae	582.893	583.481
Sanpadranno	582.7543	583.145
Santalaceae	582.6416	583.943
Santalales	582.64	583.94
Santalineae	582.641	583.942
Sapindaceae	582.7724	583.282
Sapindales	582.76–.77	583.28
Sapindineae	582.772	583.281
Sapodilla	582.922	583.6811
Sapotaceae	582.922	583.6811
Sapotineae	582.921	583.681
Saprolegniales	582.28112	589.26
Saprophytes	582.28	589.2
Sarcophytoideae	582.653	583.947
Sargassaceae	582.2727	589.452
Sargentadoxaceae	582.6752	583.1174
Sarraceniales	582.69	583.121
Sarsaparilla smilax	582.5722	584.323
wild aralia	582.892	583.491
Sassafras	582.678	583.931
Satinwood Meliaceae	582.7523	583.251
Monimiaceae	582.6779	583.1147
Rutaceae	582.7519	583.23
Saurauiaceae	582.814	583.1662
Saururaceae	582.622	583.9252
Savory	582.9492	583.891
Saw-wort	582.998	583.5533
Saxifragaceae	582.717	583.381
Saxifragales	582.714	583.38
Saxifragineae	582.714	583.38
Saxifragoideae	582.717	583.381
Scabs fungi	582.2884	589.2411
Scale mosses	582.333	588.31
Scapanioideae	582.333	588.311
Scheuchzeriaceae	582.535	584.744
Schistostegales	582.3446	588.2143
Schizaeaceae	582.39472	587.3122
Schizandraceae	582.6771	583.1143
Schizogoniales	582.265	589.47432
Schizolaenaceae	582.792	583.168
Schizomycetes	582.231	589.95
Schizophyceae	582.232	589.8
Schizophyta	582.23	589.7
Schizosporaceae	582.2852	589.225
Schoepfioideae	582.6412	583.26
Sciadopityoideae	582.47	585.211
Scilloideae	582.5722	584.32
Scirpoideae	582.5424	584.841
Scitamineae	582.58	584.21
Scleranthea	582.669	583.1545
Sclerodermatineae	582.28724	589.2219
Sclerospermae	582.85	583.471
Scouring rushes	582.3742	587.211
Screw pines	582.5222	584.611
Scrophulariales	582.951	583.8
Scutellarioideae	582.9492	583.891
Scyphostegiaceae	582.635	583.9624
Scytonemaceae	582.232	589.83
Scytonemataceae	582.232	589.83
Scytopetalineae	582.799	583.193
Scytosiphonaceae	582.2721	589.457
Sea ferns	582.267	589.4727
mosses	582.2755	589.412
Seaweeds	582.26–.27	589.3–.6

	CD	DC
Sedges	582.5422	584.841
Seed ferns	582.43	585.95
plants	582.4	582
covered	582.5	583–584
first	582.42	585
naked	582.42	585
Seedless plants	582.2–.3	586
Selaginaceae	582.9516	583.876
Selagineae	582.9516	583.876
Selaginellales	582.382	587.912
Selenastraceae	582.2644	589.47522
Seligeraceae	582.3442	588.21473
Sematophyllaceae	582.3451	588.21511
Senecionidaceae	582.998	583.5536
Senna	582.738	583.323
Sensitive plant	582.737	583.321
Sequoia	582.47	585.211
Sesame	582.9522	583.85
Shield fern	582.39474	587.3127
Shinleaf	582.9123	583.631
Side mosses	582.3449	585.215
Side-saddle flower	582.691	583.121
Sigillariaceae	582.3828	587.9112
Silenaceae	582.669	583.152
Sileneae	582.669	583.153
Silenoideae	582.669	583.153
Silicoflagellatae	582.258	589.972
Silk-cotton tree	582.797	583.173
Silkweed	582.938	583.73
Simarubaceae	582.7521	583.241
Siphonales	582.267	589.472
Siphoneae	582.266–.267	589.471
Siphonocladales	582.266	589.473
Siphonomycetes	582.281	589.25
Siphonophyceae	582.266–.267	589.471
Siphonotestales	582.2581	589.9722
Sirobasidiaceae	582.28712	589.2232
Sirosiphonaceae	582.232	589.83
Skunk cabbage	582.5471	584.65
Skunkweed	582.943	583.7611
Slime algae	582.232	589.8
fungi	582.24	589.29
mold fungi	582.24	589.29
Slit fungi	582.28215	589.2333
lichens	582.2932	589.172
Smartweed	582.657	583.917
Smilacoideae	582.5722	584.323
Smilax	582.5722	584.323
Smut fungi	582.2851	589.2271
Snakeroot		
black	582.6751	583.111
button Apiaceae	582.893	583.481
Eupatorieae	582.998	583.5544
Canada	582.65	583.924
heart	582.65	583.924
sanicle	582.893	583.481
Senega	582.7552	583.143
Virginia	582.65	583.924
white	582.998	583.5544
Snapdragon	582.9516	583.81
Sneezweed	582.998	583.5538
Snowberry Caprifoliaceae	582.973	583.511
creeping	582.9124	583.611
Ericaceae	582.9124	583.62
Rubiaceae	582.972	583.52
Snowdrop tree Oleaceae	582.931	583.71
styrax	582.928	583.6861
Soapberry	582.7724	583.282
Soapwort	582.669	583.153
Solanaceae	582.9514	583.79
Solanales	582.9514	583.79
Solanineae	582.951	583.8
Soleniaceae	582.2611	589.6223
Solenoporaceae	582.2752	589.415
Solomon's seal	582.5722	584.322
Sonneratiaceae	582.874	583.443
Sorapillaceae	582.3448	588.21414
Sordariaceae	582.28219	589.2351
Sorophora	582.241	589.292
Sorrel	582.657	583.917
Souari nut	582.819	583.1665
Sour gum tree Cornaceae	582.894	583.497
Nyssaceae	582.879	583.415
Sow thistle	582.998	583.552
Spadiciflorae	582.547	584.64
Spanish mosses	582.564	584.22
Sparganiaceae	582.5223	584.612
Spathelioideae	582.7519	583.23
Spathiflorae	582.547	584.64
Spatterdock	582.6711	583.118
Spearmint	582.9492	583.891
Sperguleae	582.669	583.1543
Spermaphyta	582.4	582
Spermatochnaceae	582.2721	589.457
Spermatophyta	582.4	582
Spermophthorales	582.2820	589.23
Sphacelariales	582.2722	589.456
Sphaerellaceae	582.2641	589.47534
Sphaeriaceales	582.28219	589.2351
Sphaerioideaceae	582.2882	589.242
Sphaerobolaceae	582.28724	589.2219
Sphaerocarpoideae	582.333	588.312
Sphaerococcaceae	582.2753	589.413
Sphaerophoraceae	582.2931	589.173
Sphaeropleaceae	582.266	589.4732
Sphaeropsidales	582.2882	589.242
Sphagnales	582.341	588.1
Sphenophyllales	582.371	587.24
Sphenopterides	582.43	585.979
Spiderwort	582.565	584.38
Spike rush	582.5424	584.841
Spindle tree	582.7665	583.272
Spiraeoideae	582.734	583.37
Spiridentaceae	582.3448	588.21412
Spirillaceae	582.231	589.953
Spirogyraceae	582.2623	589.612
Splachnaceae	582.3445	588.21441
Splachnidiaceae	582.2723	589.455
Spleenwort	582.39474	587.3127
Spore plants	582.2–.3	586
Sporochnaceae	582.2721	589.457
Spot fungi	582.2882	589.242
Spruce	582.47	585.213
Spumariaceae	582.2455	589.2932
Spurge	582.757	583.951
laurel	582.865	583.9331
Squamariaceae	582.2752	589.415
Stachyoideae	582.9492	583.891
Stachyuraceae	582.8424	583.1392
Stackhousiaceae	582.7668	583.274

	CD	DC
Staff tree	582.7665	583.272
Staphyleaceae	582.7669	583.277
Star		
apple	582.922	583.6811
flower	582.844	583.453
of Bethlehem Liliaceae	582.5722	584.32
Primulaceae	582.9183	583.672
Rubiaceae	582.972	583.52
Starworts	582.669	583.1542
water	582.759	583.253
Stegnospermoideae	582.6643	583.915
Steloxylaceae	582.43	585.963
Stemonaceae	582.5721	584.31
Stemonitales	582.2453	589.2932
Stenomyelaceae	582.43	585.953
Stephaninoideae	582.333	588.311
Sterculiaceae	582.798	583.18
Stereotestales	582.2582	589.9723
Stictaceae	582.2933	589.171
Stictidaceae	582.28213	589.2335
Stigonemataceae	582.232	589.83
Stilbaceae	582.2884	589.2411
Stilophoraceae	582.2721	589.457
Stinkhorn fungi	582.28728	589.2215
Stitchworts	582.669	583.1542
Stonecrops	582.715	583.39
Stoneworts	582.271	588.4
Stopper Myrtaceae	582.883	583.42
Storax	582.928	583.6861
Storksbill	582.7512	583.223
Strasburgeriaceae	582.818	583.1664
Stratiotoideae	582.539	584.11
Strawberry	582.734	583.37
shrub	582.6773	583.113
Strelitzioideae	582.58	584.214
Striariaceae	582.2721	589.457
Strigulaceae	582.292	589.16
Strobilophyta	582.47	585.2
Stylewort	582.996	583.571
Stylidiaceae	582.996	583.571
Styracaceae	582.928	583.6861
Sugar cane	582.5421	584.925
Sumac	582.765	583.292
Sundews	582.693	583.393
Sunflower	582.998	583.5547
false	582.998	583.5538
Supplejack	582.782	583.2791
Supucaia nut	582.877	583.423
Surianoideae	582.7521	583.241
Surirelloideae	582.2615	589.6232
Swamp apple	582.9124	583.62
Sweet gum	582.725	583.394
Sweet-flag Araceae	582.5471	584.65
Sweetgale	582.625	583.974
Sweet-leaf hypericum	582.824	583.162
Symplocaceae	582.927	583.6863
Sweet-william silenoideae	582.669	583.153
see also Wild sweet-william		
Swietenioideae	582.7523	583.251
Sycamore Platanaceae	582.732	583.971
Ulmaceae	582.635	583.9625
Sycamore-fig	582.635	583.9622
Sycamore-maple	582.7722	583.284
Sympetalae	582.9	583.5
Symphyodontaceae	582.34495	588.21521
Symplocaceae	582.927	583.6863
Synanthae	582.546	584.62
Synchytriaceae	582.28125	589.285

	CD	DC
Syringa Oleaceae	582.931	583.71
saxifrage	582.717	583.381
Syrrhopodontineae	582.3443	588.21463
Systematic botany	582	582–589
Tabellariaceae	582.2615	589.6236
Taccaceae	582.5726	584.26
Taeniopterides	582.43	585.973
Tamarac	582.47	585.213
Tamaricineae	582.831	583.158
Tamarisk	582.8316	583.158
Tansy	582.998	583.5537
Tape gras	582.539	584.11
Taphrinaceae	582.28221	589.237
Targionioideae	582.331	588.332
Tasajo	582.85	583.471
Taxaceae	582.47	585.221
Taxales	582.47	585.22
Taxodiaceae	582.47	585.211
Taxonomy	582	582–589
Tea	582.823	583.166
Teazels	582.977	583.541
Teliosporeae	582.285	589.224
Terfeziaceae	582.28212	589.238
Terminaliaceae	582.882	583.414
Ternstroemiaceae	582.823	583.166
Tetracyclic		
Sympetalae, inferae	582.97–.99	583.51–.591
superae	582.93–.96	583.7–.8
Tetradiclidoideae	582.7517	583.221
Tetramitaceae	582.2513	589.9746
Tetraphidales	582.3447	588.2142
Tetrasporaceae	582.2644	589.47532
Tetrasporineae	582.2724	589.451
Thalamiflorae	582.67–.69	583.11–.193
Thalassioideae	582.539	584.11
Thallophyta	582.22	589
Theaceae	582.823	583.166
Theales	582.812	583.16
Thecatales	582.2532	589.97332
Theineae	582.812	583.16
Thelephoraceae	582.28723	589.222
Theliaceae	582.3451	588.21512
Theloschistaceae	582.2933	589.171
Thelotremataceae	582.2933	589.171
Thelygonaceae	582.888	583.9152
Theophrastaceae	582.9181	583.678
Thiobacteria	582.231	589.952
Thistles	582.998	583.5533
Thoreaceae	582.27512	589.416
Thuidiaceae	582.3451	588.21512
Thuja	582.47	585.215
Thujoideae	582.47	585.215
Thujopsidaceae	582.47	585.215
Thunbergioideae	582.955	583.86
Thurniaceae	582.562	584.391
Thuya	582.47	585.215
Thuyoideae	582.47	585.215
Thuyopsidaceae	582.47	585.215
Thyme	582.9492	583.891
Thymelaeaceae	582.865	583.9331
Thymelaeales	582.861	583.933
Thymelaeineae	582.861	583.933
Thymelaeoideae	582.865	583.9331
Tieteaceae	582.394	587.38
Tiliaceae	582.795	583.19
Tilletiaceae	582.2851	589.2272
Tilopteridales	582.2726	589.453

	CD	DC
Timmiaceae	582.3448	588.21411
Toadflax	582.9516	583.81
Toadstools	582.28723	589.222
Tobacco	582.9514	583.79
blight	582.28114	589.252
Toddalioideae	582.7519	583.23
Top mosses	582.3441–8	588.214
Torchwood	582.7522	583.247
Touch-me-not	582.776	583.226
Tovariaceae	582.6833	583.132
Trachypodaceae	582.3449	588.21532
Trapaceae	582.885	583.413
Tree ferns	582.39473	587.3128
lily	582.5725	584.28
mosses	582.3449	588.21533
of heaven	582.7521	583.241
Tremandraceae	582.7551	583.142
Trembling fungi	582.28712	589.2232
Tremellineae	582.28712	589.2232
Trentepohliaceae	582.265	589.47427
Tribonemaceae	582.259	589.483
Trichiales	582.2458	589.2932
Trichocomaceae	582.28212	589.238
Trichostomaceae	582.3443	588.21461
Tricoccae	582.757	583.951
Trigonantheae	582.333	588.311
Trigoniaceae	582.7542	583.215
Trilliaceae	582.5722	584.322
Trillium	582.5722	584.322
Trimastigaceae	582.2513	589.9746
Tristegineae	582.5421	584.924
Triticeae	582.5421	584.937
Triuridales	582.541	584.71
Trochodendrineae	582.672	583.119
Trochodendron	582.672	583.1191
Tropaeolaceae	582.7513	583.225
Truffles	582.28218	589.231
Trumpet creeper	582.9518	583.84
Tryblidiaceae	582.28213	589.2335
Trypetheliaceae	582.292	589.16
Tube algae	582.266–.267	589.471
higher	582.267	589.4727
lower	582.267	589.472
fungi	582.281	589.25
Tubebearing fungi	582.28723	589.222
Tubercularaceae	582.2884	589.2411
Tuberineae	582.28218	589.231
Tubers, false	582.28725	589.2216
little	582.28212	589.238
truffles	582.28218	589.231
Tubiferaceae	582.2446	589.2932
Tubiflorae	582.94	583.76
Tubuliflorae	589.998	583.553
Tulasnellaceae	582.28723	589.222
Tulip tree	582.6771	583.114
Tulostomataceae	582.28724	589.2219
Tumbleweed Amarantaceae	582.663	583.9131
bugseed	582.662	583.914
psoralea	582.739	583.322
winged pigweed	582.662	583.914
Tumboaceae	582.49	585.12
Tupelo	582.879	583.415
Turf mosses	582.3442	588.21473
Turneraceae	582.8425	583.455
Twin leaf	582.6753	583.117
Tylostomataceae	582.28726	589.2217
Typhaceae	582.5221	584.613
Ulmaceae	582.635	583.9625

	CD	DC
Ulmoideae	582.635	583.9625
Ulodendraceae	582.3825	587.9114
Ulotrichaceae	582.265	589.47434
Ulotrichales	582.265	589.474
Ulvaceae	582.265	589.47435
Umbellales	582.89	583.48
Umbelliferae	582.893	583.481
Umbelliflorae	582.89	583.48
Umbrella tree Combretaceae	582.882	583.414
Magnoliaceae	582.6771	583.114
Umiri tree	582.7514	583.213
Underground fungi	582.28725	589.2216
Unicorn plant	582.9524	583.852
Unisexuales	582.62–.63	583.95
Uredinales	582.2852	589.225
Urticales	582.635	583.962
Urticiflorae	582.635	583.962
Usneaceae	582.2933	589.171
Ustilaginales	582.2851	589.227
Vaccinioideae	582.9124	583.611
Vacuolaria	582.2516	589.9743
Valerianaceae	582.975	583.531
Vallisnerioideae	582.539	584.11
Valoniaceae	582.266	589.4736
Valsaceae	582.28219	589.2351
Vampyrellaceae	582.242	589.29
Vascular cryptograms	582.35	587
Vaucheriaceae	582.267	589.4722
Vaucherioideae	582.267	589.472
Vegetable sheep	582.998	583.5542
Velloziaceae	582.5725	584.28
Verbenineae	582.949	583.88
Vernoniaceae	582.998	583.5545
Verrucariaceae	582.292	589.16
Verticillatae	582.621	583.975
Vervain	582.9491	583.881
Vetches	582.739	583.322
Vine family	582.783	583.2792
Violaceae	582.8422	583.135
Violarieae	582.8422	583.135
Violets	582.8422	583.135
Virginia creeper	582.783	583.2792
Viscoideae	582.651	583.941
Vitaceae	582.783	583.2792
Vitis	582.783	583.2792
Vitoideae	582.783	583.2792
Vochyaceae	582.7543	583.145
Vochysiaceae	582.7543	583.145
Volvocaceae	582.2641	589.47534
Volvocales	582.2641	589.4753
Wahoo Celastraceae	582.7665	583.272
Rhamnaceae	582.782	583.2791
Tiliaceae	582.795	583.19
Ulmaceae	582.635	583.9625
Wake-robin Araceae	582.5471	584.65
trillium	582.5722	584.322
Walking leaf fern	582.79474	587.3127
Walnut	582.628	583.9731
Water chestnut	582.885	583.413
cress	582.6832	583.123
ferns	582.39475	587.311
hemp amaranth	582.663	583.9131
Eupatoriaceae	582.998	583.5544
weed	582.539	584.11
Waterleaf	582.9481	583.764
Waterlilies	582.6711	583.118
Watermolds	582.28112	589.26

	CD	DC
Waterwort Elatinaceae	582.8312	583.161
Philydraceae	582.569	584.35
Wax myrtle	582.625	583.974
Weberaceae	582.3448	588.2121
Wedge-leaved calamites	582.371	587.24
Wellstedioideae	582.9482	583.77
Welwitschiaceae	582.49	585.12
Wheat grasses	582.5421	584.937
White cedar	582.47	585.215
Whitewood canella	582.8421	583.137
magnolia	582.6771	583.114
tilia	582.795	583.19
Tricoccae	582.757	583.951
Whitlow-worts	582.669	583.1544
Whortleberry	582.9124	583.611
Wild		
sweet-william polemonium	582.943	583.7611
silenoideae	582.669	583.153
Willow herb	582.886	583.445
Willows	582.623	583.981
Winged fruit tree	582.825	583.167
pigweed	582.662	583.914
Winteraceae	582.6771	583.1142
Winteranaceae	582.8421	583.137
Winterberry	582.7664	583.2781
Wintergreen	582.9123	583.631
American	582.9124	583.62
Witch hazel	582.725	583.394
Witch's besom	582.28221	589.237
broom	582.28221	589.237
Wittrockiellaceae	582.265	589.47427
Wolffioideae	582.5472	584.68

	CD	DC
Wood mosses	582.3448	588.21415
sorrel	582.7511	583.224
Woodbine Caprifoliaceae	582.973	583.511
Vitaceae	582.783	583.2792
Wormwood	582.998	583.5537
Wrangeliaceae	582.27517	589.416
Xanthopyreniaceae	582.292	589.16
Ximenia	582.5312	583.26
Xylariaceae	582.28219	589.2351
Xylopia	582.6775	583.115
Xyridaceae	582.557	584.36
Xyridales	582.55–.56	584.3
Yams	582.5727	584.27
Yarrow	582.998	583.5537
Yeast fungi	582.28223	589.2361
protophyta	582.23	589.91
Yellow jessamin	582.935	583.74
Yellow-eyed grass	583.557	584.36
Yellow-green algae	582.259	589.48
Yellow-wood Leguminosae	582.739	583.322
Rutaceae	582.7519	583.23
Yews	582.47	585.221
Zamiaceae	582.44	585.912
Zingiberaceae	582.58	584.213
Zinnia	582.998	583.5547
Zoosporeae	582.263	589.67
Zoosporineae	582.2644	589.47523
Zoysieae	582.5421	584.923
Zygnematales	582.2623	589.612
Zygomycetes	582.2812	589.28
Zygophyceae	582.261–.262	589.6
Zygophyllaceae	582.7517	583.221
Zygosporeae algae	582.261–.262	589.6
fungi	582.2812	589.27